

—REVISED EDITION.—

ILLUSTRATED
CATALOGUE AND PRICE LIST

—OF—

Artists' Materials

Gold Paint, Bronze Powders, Metal Leaf, &c.

COLORS AND MATERIALS FOR CHINA
AND GLASS PAINTING.

COLORS AND MATERIALS
FOR OIL AND WATER COLOR PAINTING
AND DRAWING, &c.

A. SARTORIUS & CO.,

28 BARCLAY STREET, NEW YORK.

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ND1550
325

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Research Library of American Painting
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Materials for Gilding and Decorating.

GOLD, SILVER AND BRONZE PAINTS.

Renaissance Gold Paint, READY MIXED.

*Put up in
Red, Polished
Wooden Boxes.
Furnished
in Gold, Silver,
Copper,
or any other
Bronze Color
desired.*



*Each
Box contains a
bottle of
Ready Mixed
Gold Paint,
Brush, and
Circular giving
instructions.*

Price, per dozen.....	\$1 75
" " gross.....	16 00
" " dozen, extra large size.....	3 50
" " gross.....	22 00

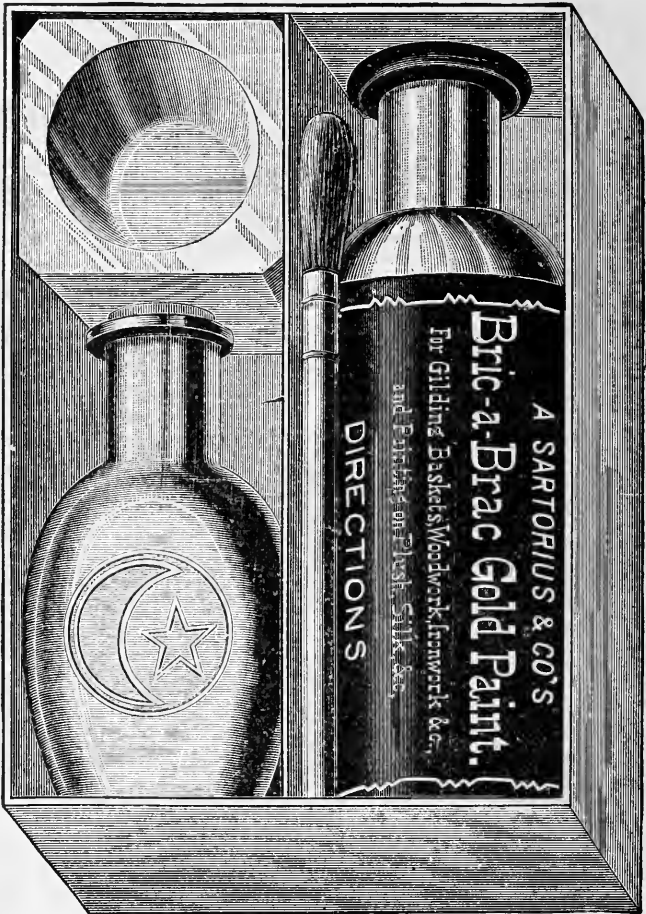
The same in One Pint Bottles.

Price, per bottle...	\$2 25
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MATERIALS FOR GILDING AND DECORATING—Con'd.

GOLD, SILVER AND BRONZE PAINTS—Continued.

✦ BRIC-A-BRAC. ✦

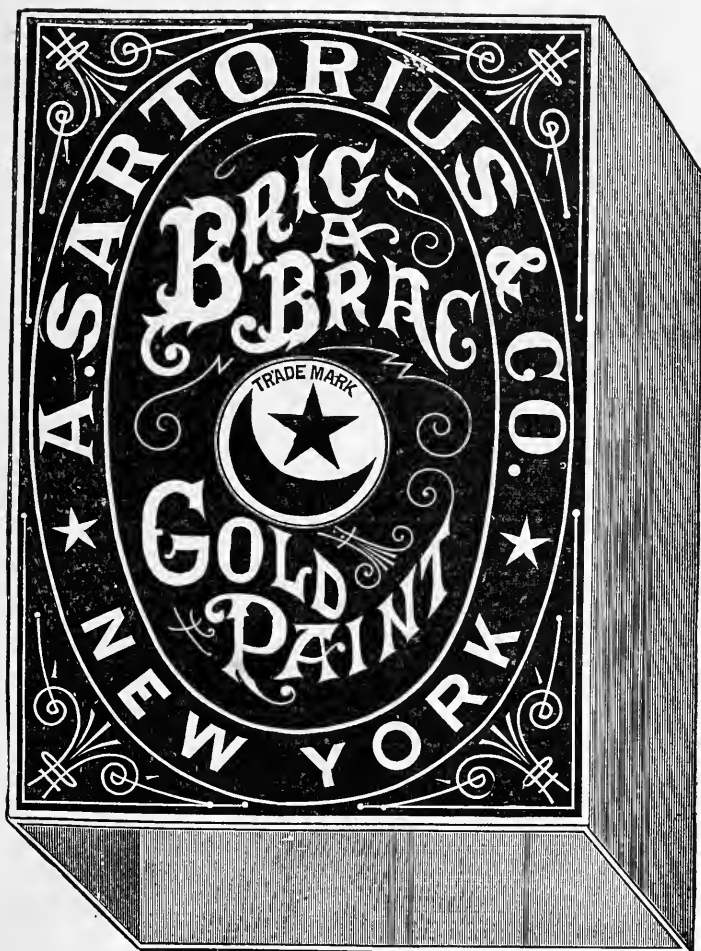


Each Box contains a bottle of Powder, a bottle of Liquid with printed directions, Large Mixing Cup and Brush.

MATERIALS FOR GILDING AND DECORATING
(Continued).

GOLD, SILVER AND BRONZE PAINTS—Continued.

GOLD PAINT.

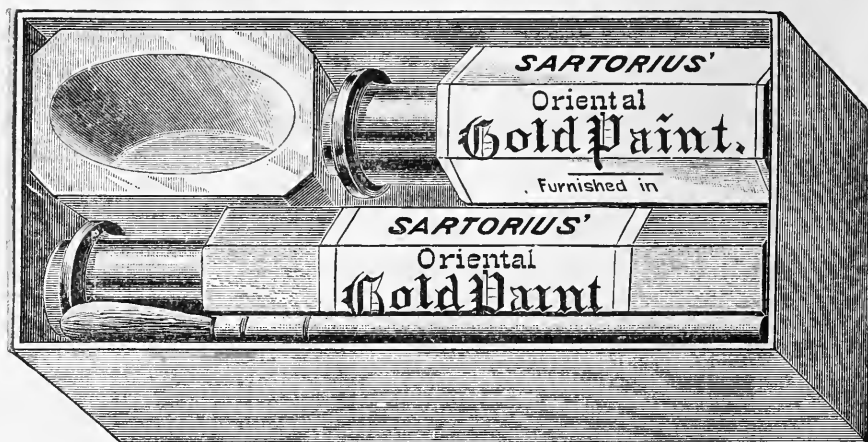
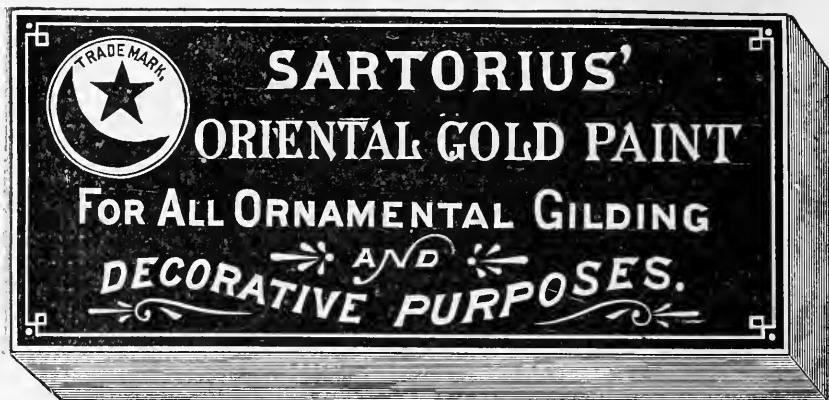


Price, per dozen.....\$2.00 | Price, per gross.....\$21.00

MATERIALS FOR GILDING AND DECORATING—Con'd.
GOLD, SILVER AND BRONZE PAINTS—Continued.

ORIENTAL GOLD PAINT.

SMALL SIZE.



Each box contains a bottle of Powder, a bottle of Liquid with printed directions, Mixing Cup and Brush.

Price, per dozen \$1.75 | Price, per gross \$18.00

MATERIALS FOR GILDING AND DECORATING—Cont'd.
GOLD, SILVER AND BRONZE PAINTS—Continued.

ORIENTAL GOLD PAINT.

LARGE SIZE.



Large size bottles of Powder with printed directions.

Price, per dozen.....\$3.50 | Price, per gross.....\$38 00



Large size bottles of Liquid with printed directions.....Per doz. Per gro.
Small\$1 00 10 00
..... 0 60 6 00

CRESCENT GOLD PAINT.



Each box contains a bottle of Powder and a bottle of Liquid with printed directions.

Price, per dozen.....\$1 50 | Price, per gross.....\$15 00

NOTE:—All Paints enumerated on pages 1, 2, 3, 4 and 5, are not only furnished in Gold Color, but also in Silver, Copper, or any other Bronze Color desired, at same prices as those given for Gold.

MATERIALS FOR GILDING AND DECORATING—Con'd.

Crescent Brand Bronze Powders.

Fac-Simile of Bronze Label.

RUBBING BRONZE POWDERS.

USED FOR PAINTING, PRINTING, BRONZING CHANDELIERS, GILDING PICTURE FRAMES, BASKETS, STATUES, FRESCO-PAINTING, FOR BRONZING RADIATORS AND ARTICLES OF IRON, WOOD, &c. LUSTRA PAINTING ON SILK, SATIN, &c.

In the following shades:

Greengold	Lemon,	Light Copper,	Lilac,
Richgold,	Orange,	Dark Copper	Blue,
Gold Color,	Dark Orange,	Fire,	Green,
Pale Gold,	Chandelier Color,	Scarlet,	Bluegreen,
Deep Gold,	Flesh,	Crimson,	Brown,
Old Gold,	Salmon,	Violet,	Silver,

Or any other shade desired.

No.	6000	5000	4000	3000	2000	1000	800	500
Per lb.	\$2.00	1.80	1.70	1.60	1.45	1.30	1.10	1 00

MATERIALS FOR GILDING AND DECORATING—Con'd.
CRESCENT BRAND BRONZE POWDERS.—Continued.

EXTRA FINE RUBBING BRONZE POWDERS.

Used for the same purpose as Rubbing Bronze Powders and furnished in the same shades.

Quality	No. 0,	price per pound	.....	\$2.50
"	No. 1,	" " "	.....	2.00
"	No. 2,	" " "	.....	1.50
"	No. 3,	" " "	.....	1.00

EXTRA BRILLIANT RUBBING BRONZE POWDERS.

Used for the same purpose as Rubbing Bronze Powders and furnished in the same shades.

Quality	No. 0,	price per pound	.....	\$3.00
"	No. 1,	" " "	.....	2.50
"	No. 2,	" " "	.....	1.75
"	No. 3,	" " "	.....	1.25

SPECIALTIES.

	Per lb.
French Pale Gold Leaf Bronze, hand made, No. 0	\$4.00
" " " " " " " No. 1	3.50
French Gold Bronze	2.00
German Pale Gold Leaf Bronze No. 1	3.00
" " " " " " No. 2	2.50
" Copper Leaf Bronze	2.50
Brilliant Silver Flora No. 0	3.00
" " " No. 1	2.50
" " " No. 2	1.75
Genuine Silver Bronze	36.00
Genuine Aluminum Bronze (unchangeable)	4.00
Light and Dark Maroon Bronze No. 1	2.00
" " " " " No. 2	1.25
Black Bronze for mixing, (Antique Bronzing)	1.00

MATERIALS FOR GILDING AND DECORATING--Con'd.
CRESCENT BRAND BRONZE POWDERS--Continued.

SPECIALTIES--Continued.

SPECIAL SUPERFINE COACH STRIPING BRONZE

Fac-Simile of Bronze Label.



Price, per pound\$4.00

If you want a cheaper Bronze Powder for the purpose of Striping Carriages, order Lining Bronze Powder, enumerated on page 9.

SPECIAL SUPERFINE FRESCO GOLD BRONZE.

Fac-Simile of Bronze Label.



Price per pound\$3.00

MATERIALS FOR GILDING AND DECORATING--Con'd.

CRESCENT BRAND BRONZE POWDERS--Continued.

PATENT BRONZE POWDERS.

These Bronze Powders are colored by a different process from that employed with ordinary Bronze Powders, and the colors are such which cannot be had in ordinary Bronze Powders. Patent Bronze Powders are used for

LUSTRA PAINTING, FANCY PAINTING, FANCY FRESCO DECORATIONS, SUCH AS PAINTING PEACOCKS FEATHERS, &c.

Price, per pound\$1.50

IN THE FOLLOWING SHADES:

Ciel,	Azure Blue,	Light Blue,
Sapphire Blue,	Outremer,	Blue Gendarme.
Peacock Blue,	Bronze Antique,	Alusru, (a Purple)
Pompejan Red,	Amethyst,	Terra Cotta,
Rose Color,	Violet,	Pêche, (a dark Rose color)
Lilac,	Isly Green,	Grass Green,
Vert Azow,	Yellow Green,	Emeraude, (a dark Green)
Blue Green,	Celador Green,	Pigeon, &c.

LINING OR STRIPING BRONZE POWDERS.

These Bronzes are exceedingly fine, and are used for striping &c. on Wood, Iron and Tinware, also on Picture Frames. In the latter case they are burnished with Agate Burnishing Stones, which makes these Bronze Powders as brilliant as polished metal. (For Agate Burnishing Stones see page 53.

GREEN GOLD, RICH GOLD, PALE GOLD, DEEP GOLD, OLD GOLD.

QUALITIES

Extra Fine	No. 1	2	3	4
Per lb. \$3 00	2.50	2.00	1.50	1.00

LEMON, ORANGE, FIRE, CRIMSON, BROWN.

Price, per pound, \$1.50.

FLESH, CHANDELIER COLOR, LIGHT AND DARK COPPER.

Qualities:	No. 1	2	3	4
Price, per pound, \$2 50	2.00	1.50	1.00	

SILVER OR STEEL COLOR.

Qualities:	No. 1	2	3	4
Price, per pound, \$2.50	2.00	1.50	1.00	

MATERIALS FOR GILDING AND DECORATING—Cont'd.**METALLICS OR GENUINE BROCADES.**

[Sartorius' Adhesive Metallic Medium is used for fastening them, see page 11.]

For Interior Decoration, Signs, Window Shades, Wall Paper, Buttons and Artificial Flowers. Also much used in Lustre Painting on Silk, &c.

Gold.....	per pound	\$1.00
Copper.....	"	1.00
Silver.....	"	1.15

Straw Yellow,	Red Violet,	}	Per Pound.....\$1 50
Old Gold,	Blue Violet,		
Lemon,	Light Blue,		
Orange,	Dark Blue,		
Light Rose,	Peacock Blue,		
Dark Rose,	Moss Green,		
Fire,	Grass Green.		
Carmine,	Dark Green,		
Crimson,	Victoria Green.		
Fuchsien.	Steel Color,		
Brown,	Cashmere,		

Embossed Gold.....	per pound	\$1 35
" Copper.....	"	1 35
" Silver.....	"	1 60
" Red, Blue and Green.....	"	2 00

FLITTERS OR LEAF BROCADES.*Flitters are a substitute for Metallics. They are cheaper and lighter, therefore, with a pound of Flitters a greater space can be covered than with a pound of Metallics. They are not as brilliant as Metallics.***GREEN GOLD, RICH GOLD, PALE GOLD, DEEP GOLD, OLD GOLD,**
FINE OR COARSE.

Price, per pound.....\$0.60

Lemon,	Copper,	Violet,	Blue Green,
Orange	Fire,	Green,	Steel Blue,
Brown,	Crimson,	Yellow Green,	Cashmere,
Price, per pound, \$0.70.			

SILVER.....Price, per pound, \$0.90

MATERIALS FOR GILDING AND DECORATING—Cont'd.

PEARL, FROSTING, &c.

Aurora Pearl for Glass Signs, &c.	per pound	\$2.50
“ large, for inlaying	“	5.00
Aurora Pearl Dust, fine	“	0.25
“ coarse	“	0.25
Snail Pearl	“	12.00
Snail Pearl, crushed	“	0.50
Mica Crystals for Glass Signs, &c.	“	0.60
Diamond Dust	“	0.45
Steel Frosting	“	0.60
Black Frosting	“	0.60
White Frosting	“	0.40
Black Flock	“	0.75
Vermilion Flock	“	1.05
White “ and all other colors	“	0.85

Sartorius' Adhesive Metallic Medium.

FOR FASTENING METALLICS AND FLITTERS.

Price, per gallon	\$5.00
Price, per dozen bottles	3.90

Crescent Brand Bronzing Liquid.

USED FOR MIXING BRONZE POWDER TO GIVE IT THE CONSISTENCE OF PAINT.

First quality, per gallon	\$2.50
Second “ “	2.00
Third “ “	1.50

Crescent Brand Bronze Protector.

After an article is bronzed, a coat of this Protector can be painted over it. This Protector becomes perfectly hard and forms a transparent skin which protects the bronze from tarnishing and from getting damaged by water. Bronzed articles which are not sheltered from wind and rain must get a coat of Bronze Protector. This is also the proper article for varnishing Picture Frames.

Price, per gallon	\$5.00
Price, per dozen bottles	3.00

Liquid for Lustre Painting.

THIS LIQUID IS ESPECIALLY ADAPTED FOR MIXING BRONZE POWDER FOR THE PURPOSE OF PAINTING ON SILK, SATIN, PLUSH, &c.

Price, per gallon	\$5.00
Price, per dozen bottles	3.00

MATERIALS FOR GILDING AND DECORATING—Cont'd.

GOLD, SILVER, ALUMINUM & METAL LEAF.

	Per Pack of 500 leaves.
Genuine Gold Leaf, extra deep.....	\$7 25
“ “ “ usual	6 50
Patent “ “ for outside work	8 50
Half Gold Leaf, “ “	4 00
Best Silver Leaf, “ “	1 35
Aluminum Leaf, Superior, small, $3\frac{3}{4}$ inches square.....	1 25
“ “ “ large, $4\frac{1}{2}$ inches square.....	1 40
“ “ “ extra large, $5\frac{1}{2} \times 5\frac{3}{4}$ inches.....	1 60
Best Imitation Gold Leaf, Crescent Brand, small, $3\frac{3}{4}$ inches square.....	1 20
“ “ “ “ large, $3\frac{3}{4}$ inches square.....	1 35
“ “ “ “ extra large, $4\frac{1}{2}$ inches square.....	1 60
“ “ “ “ double extra large, 5 inches square	1 75
Oxydized Metal Leaf, $3\frac{1}{2} \times 4$ inches.....	2 15
	Per Fundle of 2520 leaves.
Superior Green Elephant Leaf, selected, $3\frac{1}{2} \times 4$ inches.....	\$4 50
Blue Elephant Leaf No. 3, $3\frac{1}{2} \times 4$ inches.....	4 25
Red Elephant Leaf No. 2, $3\frac{1}{2} \times 4$ inches.....	4 00
Finest Florence Leaf No. 4, $4 \times 4\frac{1}{2}$ inches.....	4 75
“ “ “ No. 3, $4 \times 4\frac{1}{2}$ inches.....	4 50
Dutch Metal Leaf, small, $3\frac{1}{2} \times 4$ inches.....	3 75
“ “ “ large, $4\frac{1}{2} \times 4\frac{1}{2}$ inches.....	4 35
“ “ “ extra large, $4\frac{3}{4} \times 4\frac{3}{4}$ inches.....	4 75
Best Copper Leaf, large, $4\frac{1}{2} \times 4\frac{3}{4}$ inches.....	4 25
“ “ “ extra large, $4\frac{3}{4} \times 4\frac{3}{4}$ inches.....	4 60
Finest White Metal Leaf (Imitation of Silver).....	3 50
	Per Box of 5000 leaves.
Finest Gold Schlag Metal.....	\$9 50
“ White Schlag Metal	7 50

A. Sartorius & Co.'s Superior Gold Size.

Superior French Oil Gold Size.....	per gallon \$5.
“ “ “ “	per dozen bottles 3.00
Oil Gold Size, yellow body.....	per pound 0.90
Burnish Gold Size.....	“ “ 0.60
Japan Gold Size, quick drying.....	per gallon 4.50
“ “ “ “	per dozen bottles 2.50
Gilders Fat Oil.....	per gallon 4.50
“ “ “ “	per dozen bottles 2.50

NOTE.—For Gilders' Brushes see pages 160, 161, 162.
 For Gilders' Burnishes see pages 52, 54, 55, 56.
 For Gilders' Knives see page 52.

MATERIALS FOR CHINA AND GLASS PAINTING.

A. LACROIX' OVERGLAZE COLORS.

FOR PAINTING

Glazed China, Tiles, Earthen-
ware &c.

In Tubes like Moist Oil

OR
Water Colors.

COLORS FOR PAINTING.

BLACKS.

Iridium Black (Noir d'Iridium).....	Per Tube, \$2.00
Ivory Black (Noir d'ivoire).....	" 0.18
Raven Black (Noir corbeau).....	" 0.22

BLUES.

Common Blue (Bleu ordinaire).....	Per Tube, \$0.18
Dark Blue (Bleu foncé).....	" 0.18
Deep Blue (Bleu riche).....	" 0.22
Deep Ultramarine (Bleu outremer riche).....	" 0.30
Delft Blue (Bleu Delft).....	" 0.25
Light Sky Blue (Bleu ciel clair).....	" 0.22
Old Blue (Bleu vieux Rouen).....	" 0.18
Sky Blue (Bleu ciel azur).....	" 0.22
Two Fire Blue (Bleu à deux feux).....	" 0.25
Victoria Blue (Bleu Victoria).....	" 0.18

BROWNS.

Black Brown (Brun noir).....	Per Tube \$0.22
Brown No. 3, (Brun 3, bitume).....	" 0.22
Brown No. 4 or 17 (Brun 4 foncé ou 17).....	" 0.22
Brown M or 108 (Brun M ou 108).....	" 0.22
Chestnut Brown (Brun marron).....	" 0.22
Dark Brown (Brun foncé).....	" 0.22
Deep Red Brown (Brun rouge riche).....	" 0.22
Gilly flower Brown (Brun Giroflée).....	" 0.22
Light Brown (Brun clair).....	" 0.22
Otter Brown (Brun loutre).....	" 0.22
Sepia Brown (Brun sépia).....	" 0.22
Vandyke Brown (Brun Vandyke).....	" 0.22
Yellow Brown (Brun jaune).....	" 0.22

GREENS.

Apple Green (Vert pomme).....	Per Tube, \$0.18
Bronze Green (Vert bronze).....	" 0.30
Brown Green No. 6 (Vert n° 6, brun).....	" 0.22
Chrome Green 3 B (Vert chrome 3 B).....	" 0.22
Dark Green No. 7 (Vert n° 7, noir).....	" 0.22
Deep Blue Green (Vert bleu riche).....	" 0.30
Deep Chrome Green (Vert chrome riche).....	" 0.22
Deep Green (Vert russe).....	" 0.22
Duck Green (Vert canard).....	" 0.30
Emerald-stone Green (Vert émeraude).....	" 0.22
Grass-Green No. 5 (Vert n° 5, pré).....	" 0.22

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd

A. LACROIX' OVERGLAZE COLORS—Continued.

GREENS—Continued.

Green No. 36 T (Vert n° 36 T).....	Per Tube, \$0.22
Moss Green J, yellowish (Vert mousse J).....	" 0.22
Moss " V (Verte mousse V).....	" 0.22
Night " (Vert lumière).....	" 0.30
Olive " (Vert Olive).....	" 0.22
Sap " (Vert de Vessie).....	" 0.22

GREYS.

Grey No 1, Light Gris n° 1 ou tendre).....	Per Tube, \$0.22
Grey No. 2 (Gris n° 2).....	" 0.22
Neutral Grey (Gris noir).....	" 0.22
Pearl Grey No. 6 (Gris n° 6, perle).....	" 0.22
Warm Grey (Gris roux).....	" 0.22

REDS

Bengale Rose (Rose Bengale).....	Per Tube, \$0.30
Bright Red (Rouge brillant).....	" 0.25
Capucine Red (Rouge capucine).....	" 0.22
Carmine A Light (Carmin tendre A).....	" 0.22
Carmine No. 1 Light (Carmin tendre n° 1).....	" 0.22
Carmine No. 2 (Carmin n° 2).....	" 0.25
Carmine Deep No. 3 (Carmin n° 3 foncé).....	" 0.30
Carnation No. 1 (Rouge chair n° 1).....	" 0.22
Carnation No. 2 (Rouge chair n° 2).....	" 0.22
Carnation Deep (Rouge chair foncé).....	" 0.22
Crimson Lake (Laque Carminée).....	" 0.37
Japan Rose (Rose Japon).....	" 0.30
Laky Red (Rouge Jaqueux).....	" 0.25
Orange Red (Rouge Orange).....	" 0.25
Very fusible Rose (Rose très fusible).....	" 0.22

PURPLES.

Crimson Purple (Pourpre carmoisi).....	Per Tube, \$0.65
Deep Purple (Pourpre riche).....	" 0.55
Purple No. 2 (Pourpre n° 2).....	" 0.45
Ruby Purple (Pourpre rubis).....	" 0.75

VIOLETS.

Deep Violet of Gold (Violet d'or foncé).....	Per Tube, \$0.45
Grey Violet of Iron (Violet de fer teinte grise).....	" 0.22
Light Violet of Gold (Violet d'or clair).....	" 0.37
Violet of Iron (Violet de fer).....	" 0.22

WHITES.

Chinese White (Blanc chinois).....	Per Tube, \$0.22
Permanent White (Blanc fixe).....	" 0.18

YELLOWS.

Dark Ochre (Ocre foncé).....	Per Tube, \$0.22
Ivory Yellow (Jaune d'ivoire, 47 de Sèvres).....	" 0.22
Jonquil Yellow (Jaune jonquille).....	" 0.18
Orange Yellow (Jaune orangé).....	" 0.18
Permanent Yellow (Jaune fixe).....	" 0.18
Silver Yellow (Jaune d'argent).....	" 0.18
Yellow for Mixing (Jaune à mêler, 31 de Sèvres).....	" 0.18
Yellow Ochre (Ocre Jaune).....	" 0.22

FLUX.

Flux (Fondant general).....	Per Tube, \$0.18
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RELIEF.

Relief (Relief).....	Per Tube, \$0.18
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MATERIALS FOR CHINA AND GLASS PAINTING—Con'd

MUELLER & HENNIG'S ROYAL DRESDEN CHINA COLORS.

FOR PAINTING
ON
Glazed China, Tiles, Earthen-
ware, &c.



In Tubes like Moist Oil
OR
Water Colors.

BLACKS.

Brunswick Black.....	(Braunschweigschwarz).....	per Tube, \$0.70
Outlining ".....	(Schriftschwarz).....	" 0.30

BLUES.

Banding Blue.....	(Ränderblau).....	per Tube, \$0.25
Carmine ".....	(Carminblau).....	" 0.70
Dark ".....	(Dunkelblau).....	" 0.45
Ethereal ".....	(Luftblau).....	" 0.35
Light ".....	(Hellblau).....	" 0.30
Turquoise ".....	(Türkisblau).....	" 0.60

BROWNS.

Chestnut Brown.....	(Kastanienbraun).....	per Tube, \$0.30
Chocolate ".....	(Chocoladenbraun).....	" 0.30
Dark ".....	(Dunkelbraun).....	" 0.25
Finishing ".....	(Ausarbeitungsbraun).....	" 0.30
Sepia ".....	(Sèpiabrown).....	" 0.25
Yellow ".....	(Gelbbraun).....	" 0.25

GREENS.

Black Green.....	(Schwarzgrün).....	per Tube, \$0.30
Blue " dark.....	(Blaugrün, dunkel).....	" 0.40
" " light.....	(" hell).....	" 0.40
Dark ".....	(Dunkelgrün).....	" 0.30
Grass ".....	(Grasgrün).....	" 0.30
Olive ".....	(Olivengrün).....	" 0.30
Shading ".....	(Schattgrün).....	" 0.30
Turquoise ".....	(Türkisgrün).....	" 0.60
Yellow ".....	(Gelbgrün).....	" 0.30

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd**Mueller & Hennig's Royal Dresden China Colors—Con'd.****GREYS.**

Grey for Flowers.....	(Grau für Blumen).....	Per Tube, \$0.30
“ “ Flesh.....	(“ “ Fleisch).....	“ 0.30

REDS.

Brown Red.....	(Braunroth).....	per Tube, \$0.25
Flesh “.....	(Fleischfarbe).....	“ 0.25
Pompadour Red.....	(Pompadour).....	“ 0.25
Superior Pompadour Red.....	(Pompadour 1. qual).....	“ 0.35
Yellow Red.....	(Gelbroth).....	“ 0.25

PINKS AND PURPLES.

Carminc Purple.....	(Carminpurpur).....	per Tube, \$0.70
Deep “.....	(Dunkelpurpur).....	“ 0.75
Rose “.....	(Rosenpurpur).....	“ 0.45
Rose.....	(Rosa).....	“ 0.40
Blue Violet.....	(Blauviolet).....	“ 0.40
Deep “.....	(Violet, dunkel).....	“ 0.75

WHITE.

Relief White.....	(Aufsetzweiss).....	per Tube, \$0.25
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YELLOWS.

Albert Yellow.....	(Albertgelb).....	per Tube, \$0.40
Canary “.....	(Canariengelb).....	“ 0.25
Egg “.....	(Eigelb).....	“ 0.25
Ivory “.....	(Elfenbeingelb).....	“ 0.25
Lemon “.....	(Citronengelb).....	“ 0.25
Relief “.....	(Aufsetzgelb).....	“ 0.25
Yellow Ochre.....	(Ochregelb).....	“ 0.25

FLUX

Flux.....	(Fluss).....	per Tube, \$0.25
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SAMPLE PLATES.

Showing the Royal Dresden China Colors fired.....each \$4.00

NOTE.—These Colors are mixed, applied and fired the same as Lacroix' tube Colors. See directions on page 15.

MATERIALS FOR CHINA AND GLASS PAINTING—Con'd.

JAMES HANCOCK & SON'S OVERGLAZE COLORS, DRY IN POWDER.



Put up in Vials.

	PER VIAL		PER VIAL
BLUE, Azure.....	\$0.25	GREY, Pearl.....	\$0.25
“ Deep Azure	0.25	IVORY	0.30
“ for old Tile painting	0.25	LILAC, for Grounds, 1, 2 and 3..	0.30
BROWN, German.....	0.25	MAUVE	0.30
“ Golden	0.25	“ and painting	0.30
“ Chocolate	0.25	ORANGE, Light.....	0.25
“ Brunswick	0.25	“ Dark	0.25
“ Olive.....	0.25	“ Strong Deep	0.25
“ Vandyke.....	0.25	“ Opaque	0.25
“ Chestnut.....	0.25	PINK, for Grounds.....	0.30
“ Austrian	0.25	PASTE, for Relief Gold.....	0.25
“ Sepia.....	0.25	PURPLE, Royal.....	0.90
BUFF, Nos. 1 and 2.....	0.25	“ Ordinary.....	0.60
BLACK, Soft.....	0.30	RUBY D'OR.....	1.00
“ Grey.....	0.30	ROSE, for Painting.....	0.30
“ Deep.....	0.30	“ Strong.....	0.50
CARMINE	0.30	“ Coral.....	0.50
FAWN	0.25	“ Dubarry	0.60
FLESH SHADOW	0.25	RED	0.25
“ TINT, Nos. 1 and 2.....	0.25	SALMON, 1 and 2	0.30
FLUX, General.....	0.10	SCARLET.....	0.25
GREEN, Celadon.....	0.30	TURQUOISE, Outremer.....	1.00
“ Emerald.....	0.30	“ Swartzenburgh	1.00
“ Blue.....	0.25	VIOLET	0.30
“ Celadon, for Grounds ..	0.30	WHITE ENAMEL, Soft.....	0.25
“ Sevres.....	0.30	“ “ Medium.....	0.25
“ Roseleaf	0.30	“ “ Hard.....	0.25
“ Gordon.....	0.30	WHITE SHADOW.....	0.25
“ Dover 1 and 2.....	0.30	YELLOW, Light	0.25
“ Light Sevres.....	0.25	“ Persian	0.25
“ Shading	0.25	“ “ hard	0.25
		“ Opaque.....	0.25

Hancock's Special Medium No. 1 (thin).....per bottle \$0.25
 “ “ “ 2 (thick)..... “ 0.25

For other mediums see page 34.

Fired Sample Slab, showing 30 principal colors.....1.50

For instructions regarding the above colors and mediums see next page.

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd**Instructions for the Use of Overglaze Colors in Powder.**

Various oils or mediums are used for mixing Powder Colors for Overglaze Painting and for working the Colors, such as Turpentine, Fat Oil of Turpentine, Lavender Oil, Hancock's Special Mediums 1 and 2, &c.

For mixing, take a small portion of dry color, add a little turpentine and fat oil, mix well together with a palette knife or small muller, until they have acquired about the same consistence as properly prepared Artists Oil Colors.—Frequently Hancock's Special Medium is preferred, which while combining the advantages and peculiarities of those mentioned, possesses an agreeable and refreshing odor, keeps open sufficiently long to enable work to be done, and yet dries hard enough to enable wares to be packed safely for transit to the kiln.—It is supplied in two states, numbered 1 and 2. No. 1 is thin in consistence, and takes the place of Turpentine, Rectified Tar, &c. For rapid work colors need only be mixed in it. If, however, large surfaces are in course of painting, a little No. 2; which is thick, must be added. This thicker medium takes the place of Fat Oil. With Hancock's Medium, Turpentine must not be used, and will be only required to wash out the brushes. The bottles containing the medium should be kept closely corked, as otherwise their bulk would be sensibly diminished in consequence of evaporation. Never use more Fat Oil or Special Medium No. 2 than is absolutely necessary to work the color well, as it will be liable to blister or run in the fire. Hancock's Vial Colors are ground fine enough for use and are all made to fuse at the same degree of heat. They are fired the same as Lacroix' tube colors. Repeated firings do not affect them, provided, the proper heat (Rose color heat) is not exceeded.

FOR

A. SARTORIUS & CO.'S

SPECIAL OVERGLAZE COLORS**IN POWDER,**

AND FOR

INSTRUCTIONS HOW TO USE SAME,*See Supplementary Catalogue.*

MATERIALS FOR CHINA AND GLASS PAINTING—Con'd.

A. SARTORIUS & CO.'S

SPECIALLY SELECTED

Vitrifiable Glass Colors,

DRY IN POWDER,

FOR DECORATING OPAL AND WINDOW GLASS.



Put up in Vials.

BLACKS.

Price, per Vial.

	Stencilling Black.....	\$0.15
	Soft "	0.18
T	Superior "	0.25
	Tracing "	0.18

BLUES.

T	Blue, for Staining.....	0.35
	Dark Blue.....	0.20
	Light "	0.20
T	Outremer Blue, No. 1...	0.75
	" " 3...	0.25
T	Ultramarine Blue.....	0.40
	Waterloo "	0.20

BROWNS.

	Ancient Brown.....	0.15
T	Dark "	0.20
	Pompadour "	0.20
	Red "	0.20
T	Sepia "	0.20
	Tracing "	0.15
	Umber "	0.15
	Yellow "	0.20

CARMINES.

T	Carmine, for Staining...	0.70
	" No. 1	0.75
T	" " 2	0.65
	" " 3	0.40
	" " 4	0.20
T	" Rose	0.60

GREENS.

Price, per Vial.

	Apple Green.....	\$0.18
	Blue " No. 1.....	0.35
T	" " " 2.....	0.35
	" " " 4.....	0.30
	Bronze "	0.25
	Chrome "	0.25
	Chrome Yellow Green...	0.20
	Dark Green.....	0.25
	Grass "	0.25
	Light "	0.25
	Limoges "	0.25
	Meissen "	0.25
T	Olive "	0.25
	Russian "	0.35
	Water "	0.25

GREYS.

	Black Grey.....	0.20
	Grey for Flesh.....	0.25
	Pearl Grey.....	0.20
T	Steel "	0.20

PURPLES and VIOLETS.

T	Carmine Purple.....	0.70
T	Ruby "	0.85
T	Ruby Purple, for Staining	1.00
T	Rose "	0.60
T	Violet "	0.75
	Violet of Iron.....	0.25

NOTICE — Colors marked T are specially transparent.

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd.

VITRIFIABLE GLASS COLORS—Continued.

REDS.

	Price, per Vial.
Brick Red.....	\$0.25
Coral. “.....	0.18
Cardinal Red.....	0.25
Flesh “.....	0.25
Pompadour Red.....	0.25
Red, for Flesh.....	0.25
T Special Red.....	0.25

TURQUOISE.

Green and Blue.

Turquoise Blue.....	0.30
“ Green.....	0.30
Turquoise.....	0.25

WHITES.

Best White Enamel.....	0.25
White Enamel, for Relief	
Ground.....	0.18
Obscuring White, for	
Matting... ..	0.15
T Transparent White.....	0.25

YELLOWS.

	Price, per Vial.
Albert's Yellow.....	\$0.25
Canary “.....	0.25
Dark “.....	0.18
Golden “.....	0.30
Ivory “.....	0.20
Lemon “.....	0.15
Relief “.....	0.18
T Silver “.....	0.25
T Yellow Stain.....	0.20
T Orange “.....	0.40

FLUXES.

Blue and Green Flux....	0.18
Blue Flux.....	0.18
Carmine Flux.....	0.25
Carmine and Purple Flux	0.18
Extra soft Flux.....	0.20
General Glass Flux.....	0.15
Purple Flux.....	0.25

NOTICE.—Colors marked **T** are specially transparent.

Instructions for the Use of Vitrifiable Glass Colors.

These colors are used for decorating or painting on window or opal glass. They are mixed the same as China colors, viz.: with Turpentine and Fat Oil. In the place of Turpentine, rectified spirits of tar is often used. If used on window glass, most of these colors will be found to be already sufficiently fluxed to melt at the exact heat at which the glass itself begins to fuse on its surface, and if that heat is continued for a little, they will be thoroughly vitrified, and will be then as imperishable as the glass. Opal glass, of which lamp shades, vases &c. are made, is softer than window glass, and will melt at a lower degree of heat. Therefore, if the colors are used on opal glass, flux should be added to them, in order to obtain the above results and to bring out the colors in their full brilliancy. There are different kinds of fluxes employed in connection with these glass colors, and when fluxing purples, carmines, blues and greens, it is advisable to use the special fluxes made for these colors and enumerated above. Yellow and orange stain must never be fluxed. The transparent colors (marked T) are specially adapted for window glass decoration.

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd

A. SARTORIUS & CO.'S
GOUACHE & COLORS,
 (also called MAT WAX or MAT OPAQUE COLORS)

FOR

Royal Worcester Style of Decoration,
 on China, Earthenware and Glass.

DRY IN POWDER. FINELY GROUND, READY FOR USE.

Put up in Vials.

	PER VIAL		PER VIAL
Black No. 1.....	\$0.30	Celeste Green.....	\$0.20
“ “ 2.....	0.20	Chrome Green.....	0.20
Celestial Blue.....	0.20	Emerald Green.....	0.25
Dark Blue.....	0.20	Florentine Green.....	0.20
Light Blue.....	0.20	Grass Green.....	0.20
Outremer Blue.....	0.40	Green 1.....	0.20
Paris Blue No. 1, very dark.....	0.50	Green 2.....	0.20
“ “ “ 2.....	0.25	Moss Green.....	0.20
Turquoise Blue.....	0.20	Night Green.....	0.25
Ultramarine Blue.....	0.20	Nile Green.....	0.20
Brown No. 1.....	0.20	Olive Green No. 1.....	0.20
“ “ 2.....	0.20	“ “ “ 2.....	0.20
Brunswick Brown.....	0.20	Roseleaf Green.....	0.25
Chestnut Brown.....	0.20	Russian Green No. 1, very dark.....	0.30
Chocolate Brown.....	0.20	“ “ “ 2.....	0.20
Dark Brown No. 1.....	0.20	Shading Green.....	0.20
“ “ “ 2.....	0.20	Turquoise Green.....	0.20
Paris Brown, very dark.....	0.20	Water Green.....	0.20
Sepia Brown.....	0.20	Yellow Green No. 1, very light.....	0.25
Yellow Brown No. 1.....	0.20	“ “ “ 2.....	0.20
“ “ “ 2.....	0.20	Grey.....	0.20
Celadon.....	0.20	Steel Grey.....	0.20
Fawn.....	0.20	Turtle Dove Grey.....	0.20
Apple Green.....	0.20	Ivory for Worcester Ground.....	0.20
Blue Green No. 1.....	0.40	Dry Old Ivory (half glazed).....	0.30
“ “ “ 2.....	0.25	Jersey Cream.....	0.20
Bronze Green.....	0.20	Lavender.....	0.30

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd

GOUACHE COLORS—Continued.

	PER VIAL		PER VIAL
Maroon	\$0.75	Old Rose	\$0.25
Orange	0.20	Salmon	0.25
Pink	0.20	Terra Cotta	0.20
Strong Pink	0.30	Vellum	0.20
Deep Purple	0.50	Violet	0.50
Light Purple	0.30	Blue Violet	0.50
Best Red	0.20	Dark Violet	0.50
Chinese Red	0.20	White No. 1	0.25
Coral Red	0.25	White No. 2	0.20
Light Red	0.20	Yellow	0.20
Pompadour Red	0.20	Dark Yellow	0.20
Regular Red	0.20	Golden Yellow	0.20
Flesh Color No. 1	0.20	Japanese Yellow	0.25
“ “ 2	0.20	Lemon Yellow	0.20
Rose	0.25	Light Yellow	0.25
Rose Blush	0.25	Gouache Flux	0.20

A. SARTORIUS & CO.'S

Royal Worcester Finish,

Prepared in Liquid form per bottle, \$1.00

SAMPLE PLATES,

showing A. Sartorius & Co.'s Gouache Colors fired.

Complete set of two plates showing all the Gouache Colors,

per set \$3.75

Single Plates each, 2.00

See Instructions for painting with Gouache Colors on next page.

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd

Instructions for painting with Gouache (Mat Opaque or Mat Wax) Colors.

What can be done with these colors can be seen on most of the Art pieces of the Royal Worcester Porcelain Works, where they are used in connection with gold outlining and raised Gold Work.—The colors are fired the same as Lacroix' tube colors (rose color heat) if used on China and earthen ware, and the same as glass colors if used on glass, but come out of the kiln with no glaze whatever, but a beautiful mat velvety appearance, in fact many of the Gouache Colors look, after they are fired, like unscored Genuine Gold Bronzes. They are mixed, the same as ordinary Powder Colors for overglaze painting, with Turpentine and Fat Oil, or with Thick Oil and Lavender. Unlike other colors for China painting if you want to produce a tight tint with any of the Gouache Colors, it is not done by putting a very thin coat on the ware, but by mixing Gouache White into the Gouache color and then putting on a coat of the usual thickness. White is used very frequently and Gouache Colors are employed in a similar way to opaque water colors. Very beautiful effects are produced by tracing gold lines on the Gouache Colors.

*A. Sartorius & Co's Gouache Colors are finely ground ready for use. All the Artist has to do is to mix the colors with the necessary Oils. The variety is now so large that almost any color or tint required can be found on the list. All the colors can, however, be mixed with each other, and no knowledge of the pigments is, therefore, required. These Colors cannot be overfired. If underfired, they may rub off, but there is no danger of this happening, as long as they get the regular Rose Color heat. Gouache flux is used as an additional safe-guard. It causes the color to fuse more intensely with the glaze of the ware. As Gouache flux cannot cause the colors to come out glazed, no harm can be done by adding it, and, if adding it in excessive quantity, the only harm would be that the color gets a trifle lighter in tone. If other fluxes, such as are used in connection with **glazed** Overglaze Colors, for example flux No. 8 or Lacroix' flux in tubes, are used in sufficient quantity with Gouache Colors, the latter will not come from the kiln mat, but glazed. If used in small proportion, the Gouache Colors will come out half-glazed (semi-glazed colors).*

Gouache Colors are made to be used for artistic purposes, that is, for works of art, such as vases and plaques and not for general decoration on dinner sets, &c.

MATERIALS FOR CHINA AND GLASS PAINTING—Con'd.

A. SARTORIUS & CO.'S
RELIEF ENAMEL COLORS,FOR
PAINTING ON CHINA, EARTHENWARE AND GLASS.
Dry in Powder.

Put up in Vials.

BLACK.....	} Per Vial... \$0.15
Light BLUE.....	
Dark ".....	
Delft ".....	
BROWN.....	
Pompadour Brown.....	
Yellow Brown.....	
Chrome GREEN.....	
Dark ".....	
CELESTE.....	
PINK.....	
TURQUOISE.....	
WHITE, No. 1.....	
" " 2.....	
Lemon YELLOW.....	
Orange ".....	

GOLD RELIEF ENAMEL COLORS.

COBALT BLUE.....	} Per Vial... \$0.20
BROWN GREEN.....	
SCARLET.....	
TURQUOISE.....	
WHITE.....	

Instructions for Using Sartorius' Relief Enamel Colors.

These colors are used for painting flowers and other designs in high relief, also for making on the ware spots resembling pearls — White Relief Enamel is often necessary to add points of light on the top of the finished work where it would have been impossible to leave the white China, as for instance, a point of light in an eye.

Relief Enamel Colors are mixed, the same as other Powder Colors for overglaze painting, with Turpentine and Fat Oil. The mixture, however, should be like a paste and pretty stiff. They can also be mixed with water, adding a little gum arabic or sugar, to take the place of fat oil.

If used on China and Earthenware they are fired the same as Lacroix' tube colors (rose color heat) and if used on glass the same as glass colors.

Gold Relief Enamel colors will stand on Gold, and are used for Relief Work on a gold surface, which has to be fired before applying the Enamel.

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd

A. SARTORIUS & CO.'S LIQUID LUSTRE COLORS,

FOR

Decorating China, Earthenware and Glass.

Put up in Vials.

	PER VIAL.
BLUE	\$0.75
BROWN	0.25
Shammy BROWN	0.20
Violet BROWN	0.25
Yellow BROWN	0.20
GOLD Bronze	0.75
GREEN	0.25
Dark Green I	0.40
“ “ II	0.35
Yellow Green	0.25
GREY	0.25
Light GREY	0.25
Pearl “	0.20
Orange RED	0.25
PLATINUM	0.50
PURPLE	0.50
ROSE	0.50
SILVER	0.60
VIOLET	0.50
WHITE	0.20
WEDGEWOOD GOLD LUSTRE	0.75
YELLOW	0.20
Golden Yellow	0.20
Orange “	0.25
Sulphur “	0.25

Instructions for the Use of Sartorius' Liquid Lustre Colors.

As their name implies, these colors are in liquid state and lustrous. They are ready for use the way they are furnished, and have, after being fired, the brilliancy of Liquid Bright Gold. If they get too thick, the Essence for Liquid Bright Gold is used to reduce them to their original state of thinness. Liquid Lustre Colors are used for producing lustrous effects of various tints, such as lustrous bands, grounds, &c. They are treated and fired the same as Liquid Bright Gold.

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd

A. SARTORIUS & CO.'S
SPECIALLY SELECTED UNDERGLAZE COLORS,
FOR PAINTING ON THE BISCUIT.
DRY IN POWDER.

Price, per ounce.		Price, per ounce.	
Best BLACK.....	\$0.30	MAROON	\$0.25
Stamping Black.....	0.25	MAUVE	0.30
Canton BLUE.....	0.45	MULBERRY	0.45
Flowing "	0.45	NEUTRAL TINT.....	0.25
Forget-me-not Blue	0.70	ORANGE.....	0.15
Mat Blue, No. 1.....	0.45	PINK, No. 1.....	0.20
" " " 2.....	0.40	" " 2.....	0.15
Mazarine Blue, No. 1....	0.75	PURPLE.....	0.25
" " " 2.....	0.65	Japanese RED.....	0.40
" " " 3.....	0.55	Persian "	0.25
Persian "	0.40	Red T.....	0.25
Ultramarine Blue.....	0.60	Scarlet Red	0.45
Chocolate BROWN.....	0.15	ROSE PINK.....	0.40
Claret "	0.15	UNIQUE.....	0.25
Dark "	0.15	VIOLET.....	0.25
Light "	0.18	WHITE, for mixing....	0.10
CRIMSON.....	0.25	" " printing on	
DOVE COLOR.....	0.25	colored body.....	0.60
Dark GREEN, No. 1....	0.85	Dark YELLOW.....	0.35
" " " 2.....	0.20	Regular "	0.15
French "	0.25	Silver "	0.30
Light "	0.25	HARD GLAZE	0.10
Sage "	0.20	SOFT "	0.10
Victoria "	0.15	SPECIAL "	0.10

Instructions for the Use of Underglaze Colors.

Underglaze Painting is done on the "biscuit" surface of the wares before the glaze on which they depend to bring out their rich depths is applied. The colors are mixed the same as powder colors for overglaze painting, with Turpentine and Fat Oil, and, after they are applied, the glaze is laid over them. The fire Underglaze Colors require is far greater than rose color heat and is known as "glost oven" or "glaze kiln" heat. They are specially prepared to stand the much greater degree of heat to which they must be subjected.

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd

A. SARTORIUS & Co.'s

Superior Liquid Bright Gold, Silver & Platinum,

FOR

DECORATING CHINA, EARTHENWARE AND GLASS.

PUT UP



IN VIALS.

Sartorius' Superior Liquid Bright Gold.....	per vial	\$0.75
“ “ “ “ Silver.....	“	0.60
“ “ “ “ Platinum	“	0.40
Essence for thinning above Liquids.....		0.10
Liquid for Matting Liquid Bright Gold		0.60

Instructions for the Use of Liquid Bright Gold, Silver and Platinum.

These preparations are liquids, ready for use, and put up in vials or bottles. The brush is simply dipped into them and the liquids applied on the ware in an even and pretty heavy coating. Be careful to use brushes that are not damp and have not been used before with colors, as this will cause the Liquid Gold to appear blackish after firing. These liquids come bright (ready burnished) out of the kiln. The Essence for Liquid Bright Gold is used in case the Gold, by standing on the palette for several days for example, becomes too thick and in order to reduce it to its original state of thinness. Much care must be taken, however, not to put in too much Essence, as if this is done, instead of Gold a Violet will come out.—To produce mat effects with Liquid Bright Gold mix one part of the Liquid from Matting Liquid Bright Gold with from five to ten parts of the Regular Liquid Bright Gold, according to the shade desired. The mixing must be done carefully and thoroughly. It is advisable not to mix more at a time, than is needed for immediate use, as a fresh mixture will produce a finer effect. The mixture is applied the same as regular Liquid Bright Gold.—These preparations can be fired together with colors.

MATERIALS FOR CHINA AND GLASS PAINTING—Con'd.

Burnish Gold, Silver and Platinum,

AND

Genuine Gold Bronzes,

FOR

Decorating China, Earthenware and Glass.

	Per Pennyweight
Best Prepared Burnish Gold, No. 1.....	(DWT.) \$1.75
Prepared Burnish Gold, " 2.....	1.50
" " " " 3.....	1.20
<i>The three grades of Burnish Gold are furnished in Regular Gold Color, Greengold or Redgold.</i>	
Best Unfluxed Gold (Chemically Pure Brown Gold).....	2.00
Unfluxed Gold, 2 quality.....	1.75
Pure Greengold Dust.....	2.00
Best Prepared Burnish Silver.....	0.30
" Prepared Burnish Platinum.....	2.00
Genuine Gold Bronze, No. 1.....	1.25
" " " " 2.....	1.25
" " " " 4.....	1.25
" " " " 9 (Red).....	1.25
" " " " 10 (Green).....	1.25
" Light Gold Bronze, No. 21.....	1.25
" " " " 22.....	1.25
" " " " 23.....	1.25
" " " " 25.....	1.25
" Gold Bronze, No 45 (Light Brown).....	1.25
" " " " 46 (Medium ").....	1.25
" " " " 47 (Dark ").....	1.25
" " " " 48 (Grassgreen).....	1.25
" " " " 49 (Salmon).....	1.25
" " " " 106, S. (Dark Brown).....	1.35
" " " " 111, S. (Dark Olive Green).....	1.35
" " " " 119, S. (Antique).....	1.35
" " " " 140, S (Light Olive Green).....	1.35
Gold Alloy.....	0.10
" Flux.....	0.10
Burnisher's Putty.....	per vial 0.20

SAMPLE PLATES,

showing Best Burnish Gold in Regular Gold Color, Greengold and Red Gold, Burnish Silver, Platinum and all Bronzes.each, \$3.50

NOTE.—For instructions see page 31.

MATERIALS FOR CHINA AND GLASS PAINTING.—Con't

DUSTING GOLD.

Green Gold	}	per dwt. \$3.00
Lemon Gold		
Red Gold		
Yellow Gold		

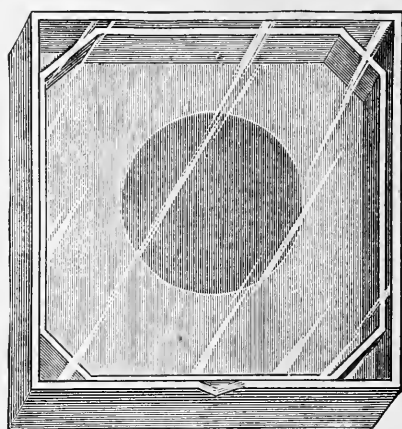
A SARTORIUS & CO.'S

MAT GOLD AND HARD GOLD,

prepared on Glass slabs in Pasteboard Boxes.

IS FURNISHED IN

Roman (Regular Gold Color), Green Gold and Red Gold.



Mat Gold, fluxed	per box, \$1 00
Hard " unfluxed	" 1 00
Sample Plates showing Roman Gold, Greengold and Redgold	each 1 00

Burnish Silver, Platinum, and Genuine Gold Bronzes can also be furnished in this shape if desired

NOTE — For instructions see page 51.

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd

INSTRUCTIONS

FOR USING

BURNISH GOLD, SILVER, PLATINUM & BRONZES.

Prepared Burnish Gold in powder is exceedingly fine as we furnish it, but it can be ground again in turpentine, with a clean glass muller on a clean glass slab, perfectly fine, indeed, it cannot be ground too much. Turpentine must be added, to replace that which evaporates during the grinding process. When finished, allow the turpentine to evaporate somewhat, and add rather more fat oil than is required for powder colors; just enough to allow the gold to work solidly, yet freely. It is then scraped up carefully, keeping in view the precious nature of the material, and put in a wide mouthed bottle, which can be well corked, using from it as required. It is now in the form of a brownish-black color, and should be about the consistence of well prepared Oil Colors.

Unfluxed Burnish Gold is mixed, the same as the Prepared Burnish Gold, with turpentine and fat oil. This gold is generally used for working gold over color.

Gold prepared on Glass slabs is a thick Paste which may become quite hard. Rectified Spirits of Turpentine must be added to get it ready for use. As far as Gold prepared on Glass slabs is concerned, Mat Gold is only another name for Prepared Burnishgold, and Hard Gold for Unfluxed Burnishgold. Use brushes that have never been used for colors, and keep a special palette, muller, slab, and brushes for gold, to prevent waste from cleaning. In applying the gold to China, cover the ware with a thin but even coating. Putting on a thick coat is of no benefit, as it is opaque and the surface only is seen. It must be no wash, however, but a solid even coat. As the turpentine evaporates quickly from the gold in working, a little should be added frequently and the gold remixed; the pencil also requires frequent dipping in turpentine, to keep the hairs all free and open.

Gold is fired at rose color heat. After being fired it appears as a dull yellow color. If underfired, it will rub up under the burnishing tool; if overfired it will be sunk into the surface of the china, and will not burnish at all. By scouring it with the glass brush Mat or Old Gold is obtained. To make it assume the brilliant appearance generally connected with gold, the burnishing tool is used.—A superior Mat Gold is obtained by burnishing the gold and then firing it again.

Burnish Silver, Platinum and Genuine Gold Bronzes are mixed and applied in the same manner as Burnish Gold. Bronzes are principally used to procure antique metal effects. For this reason they are generally only scoured with the glass brush and not burnished with the burnishing stone.

The Genuine Gold Bronzes marked "S" must not be ground, as they are specially made to show tiny, sparkling particles of Gold after scouring, which effect cannot be produced if these Bronzes are ground on the Glass slab. Silver is a metal which is not as dense as Gold, and should, therefore, be laid on heavier than Gold, as it partly volatilizes in firing. Platinum will, having once been fired and burnished, retain its brilliancy through repeated firings, in which respect it differs from Gold and Silver. Platinum has not as pure a Silver Color as the Silver, but is preferable, as it never tarnishes.

In using Dusting Gold, paint the surface that is to be gilded with Liquid Bright Gold (see page 28), on which the Dusting Gold is dusted. In this way the richest Gold effect is produced.









These preparations can be fired with colors, but Silver should not be too near any Carmine, as it would injure the latter.

MATERIALS FOR CHINA AND GLASS PAINTING—Contd

JEWELS.

Rubies, Sapphires, Emeralds, Topazes, Turquoises and Crystals.

ORIGINAL SIZES.

								
Nos.	1	2	3	4	5	6	7	8
Price.....	per dozen, \$0.10							

CUT JEWELS OF THE SAME COLORS AND SIZES,

Price.....per dozen, \$0.20

Prices of larger sizes according to size of jewels.

Cement for fastening jewels.....per vial, \$0.25**Instructions for the Use of Jewels.**

Jewels are drops of glass composition with flat bottoms. They are all transparent with the exception of Turquoises, which are opaque.

As medium to fasten jewels the Cement for Jewels is used.—This is a powder which is mixed with Turpentine and Fat Oil. A dot is made wherever you desire to place a jewel, and the jewel is placed on this dot. The ware is then fired.

If you want to insert jewels in raised Gold work, no Cement is needed. The jewel is placed on the paste for-raised gold, pressed down in it and fired together with the paste. The gold is then put on the paste surrounding the jewel, at the same time all the gilding of the piece is done and the ware is then fired again.

Great care must be taken in firing jewels, as too much heat will cause them to flow and lose their shape.

CRYSTAL PEARL COVERING.

Price, per ounce, \$0.20

Instructions for the Use of Crystal Pearl Covering.

Crystal pearl covering is best described as "sand made of crystal glass," or "small round beads of crystal glass without holes".—After an article is decorated and fired, a part, or all of the decoration on the piece can be painted over with fat oil and then sprinkled with the Crystal Pearl Covering. It is then fired again. The decoration covered with a coat of Crystal Pearl Covering has a rich, frosted appearance. A trial will soon convince you that beautiful effects can be produced.

COLORS GLASS PEARLS.

In the following shades:

BLACK,	BLUE,	GREEN,	ORANGE,
PINK,	PURPLE,	TURQUOISE,	WHITE,
	OPAL,	YELLOW,	

Price, per ounce, \$0.30

MATERIALS FOR CHINA AND GLASS PAINTING—Con'd.

A. SARTORIUS & CO.'S

LIQUID PREPARATIONS FOR REMOVING GROUND.

Liquid Ceramic Eraser.....	per bottle	\$0.50
Taking Out Oil.....	"	0 25
Tar Paste.....	"	0 25

DIRECTIONS.

These preparations are used for taking out Ground for designs, and, as furnished by us, are ready for use. When the ground is laid and has become dry, cover the surface you want removed with either of the Erasing Liquids, using a clean brush. The color will almost instantly become soft, and is then wiped off with a soft cloth.

Inks, Pencils, Pens, &c.

FOR DESIGNING AND MARKING ON CHINA.

A. SARTORIUS & CO.'S

SPECIAL INDIA INK,

FOR DESIGNING ON CHINA,

per bottle.....\$0.25

DIRECTIONS.

Trace the pattern upon the China by means of Transfer Paper. Then go over it with this India Ink. Take a soft cloth wet with turpentine, and wash over the design.—This removes the gritty particles from the Transfer Paper, but does not affect the Ink. At first the China will be smeared all over with the Color from the Transfer Paper but continue, for after the Original Design is all wiped off, the design will appear in clear outline in India Ink alone.

BLUE PENCILS for marking on China.....per dozen, \$2.00

GILDING PENS....." 0.75

HANCOCK'S SKETCHING INK, burns away

completely.....per bottle, 0.15

For Lemercier's Crayons see page 99.

" Transfer Papers " " 112.

" Tracing Papers " " 112.

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd

A. SARTORIUS & CO.'S

CEMENT FOR MENDING CHINA,

per bottle. \$0.50

DIRECTIONS.

This Cement is a white powder, which is mixed with water to the consistence of a thick paste. Apply this paste to the broken edges of the ware, press them firmly together and let the article so cemented stand, until the cement has become dry, when the pieces will adhere to each other sufficiently well, to place the ware in the kiln for firing. Fire the same as decorated articles.

INSTRUCTION BOOKS

ON

CHINA AND GLASS PAINTING.

“TRIED BY FIRE,” a work on China Painting, by S. S.

Frackelton per copy \$6.00

This book is especially desirable as a guide for painting with Lacroix' tube colors and Gouache colors, for gilding and bronzing, raised gold work, and decoration with jewels, Glass composition &c.

“THE AMATEUR POTTERY AND GLASS PAINTING,”

by E. Campbell Hancock per copy \$2.00

A very superior book of instructions for painting with Dry Powder Colors on Pottery (over and under the glaze) and on Glass, and treating most thoroughly of the different processes and manipulations connected with the art of China and Glass decoration. The book contains excellent directions for gilding, chasing, burnishing, bronzing and groundlaying.

“CHINA PAINTING,” by Florence Lewis per copy \$2.50

“SUGGESTIONS TO CHINA PAINTERS,” by Miss

Louise McLaughlin per copy \$1.00

“POTTERY DECORATION UNDER THE GLAZE,”

by Miss Louise McLaughlin per copy \$1.00

“PRACTICAL LESSONS IN PAINTING ON CHINA,”

&c., by Madame la Baronne Delamardelle and Mr. F.

Goupil per copy \$0.60

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd

JAPANNED TIN BOXES, FOR COLORS AND MATERIALS FOR CHINA PAINTING.



No. I. 12½ inches long, 9¾ inches wide, 1½ inches deep.

Containing Tray for Lacroix' tubes, empty, each.....\$3.00

"Complete", containing 28 tubes Lacroix' *Overglaze Colors*, namely 1 tube each of Raven Black, Dark Blue, Sky Blue, Victoria Blue, Brown 4 or 17, Deep red Brown, Yellow Brown, Apple Green, Brown Green 6, Dark Green 7, Grey 1, Pearl Grey, Light Carmine 1, Deep Carmine 3, Carnation 1, Capucine Red, Purple 2, Violet of Iron, Permanent White, Jonquil Yellow, Mixing Yellow, Yellow Ochre, Flux, Celestial Blue, Turquoise Blue, Shammy Brown, Chrome Water Green, Chinese Yellow:

16 vials *Gouache Colors*, namely 1 vial each of Black 2, Dark Blue, Light Blue, Dark Brown 1, Yellow Brown 1, Bronze Green, Chromegreen, Yellow Green 1, Ivory for Worcester Ground, Pink, Coral Red, Pompadour Red, Rose, White, Yellow, Flux,

1 vial each of *Pas'e for Relief Gold*, *Relief Paste for Liquid Bright Gold*, *Relief White* (Aufsetz-Weiss) English Pink;

1 China Palette with 21 recesses, slant and cover; 1 Ground Glass Slab, 4x4 inches, 1 Glass Muller, 12 fine Camel Hair Pencils; 2 Fitch Hair Stipplers; 1 Grounding brush No. 2, 1 bottle rectified Turpentine, 1 bottle Fat Oil of Turpentine, 1 bottle Liquid Ceramic Eraser, 1 bottle Royal Worcester Finish, 1 Horn Palette Knife, 1 Steel Palette Knife, 1 Curved Eraser, Transfer and Tracing Paper, Crayons, &c.

Each.....\$18.00

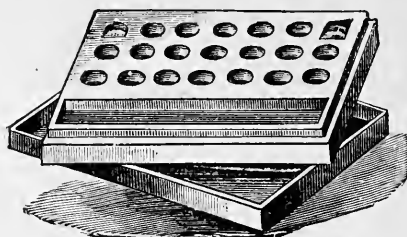
No. II. 11½ inches long, 6 inches wide, 1 inch deep.

Divisions for thirty-six Lacroix' tubes, and three partitioned spaces for Brushes, Oils, &c.

EMPTY, EACH.....\$1.25

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd

ARTISTS' CHINA PALETTES.



Size $7 \times 4\frac{1}{2}$ in., 21 recesses, slant and cover.

Per dozen \$7.50

ARTISTS' CHINA PALETTES.

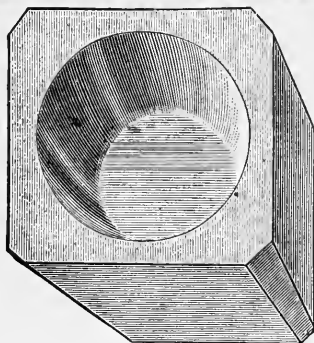
CHINA PALETTE
IN
TIN BOX.



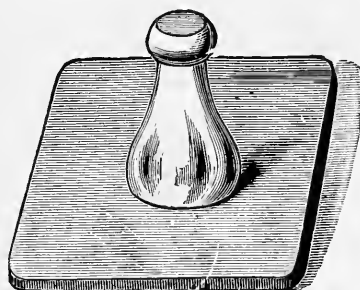
GROUND GLASS
SLAB ATTACHED
TO THE LID OF
THE BOX.

Small size $6\frac{1}{2} \times 4\frac{3}{8}$ in., 24 recesses.	per piece	\$1.25
Medium size $10 \times 6\frac{3}{4}$ in., 24 recesses.	"	1.50
Large size $13 \times 7\frac{1}{2}$ in., 30 recesses	"	2.25

MATERIALS FOR CHINA AND GLASS PAINTING.—Con'd

OPAL GLASS OIL CUPS.

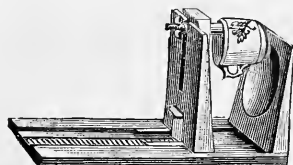
Per dozen.....\$0.50
 Per gross.....5.00

Ground Glass Slabs and Glass Mullers.**GROUND GLASS SLABS.**

4 in.	6 in.	8 in.	12 in.	16 in.	20 in.	24 in. square
\$0.20	0.30	0.50	1.50	3.00	5.00	7.50 per piece

GLASS MULLERS.

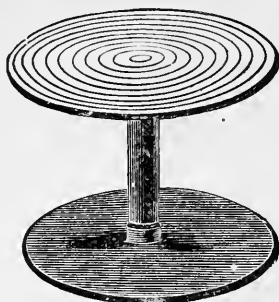
Sizes from $\frac{3}{4}$ in. to $1\frac{1}{2}$ in. diameter.....per piece \$0.15
 Larger sizes.....per lb. 0.60

VASE AND CUP HOLDERS.

Can be adjusted to the size of the article to be decorated.
 Per piece.....\$3.00

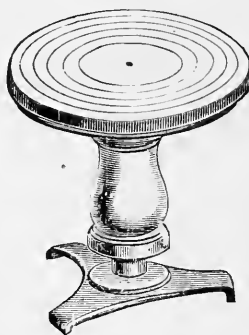
MATERIALS FOR CHINA AND GLASS PAINTING.—Con'd

BANDING • WHEELS.

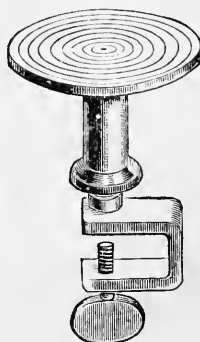


No. 1.

Steel Disk, 9 in. diameter per piece \$7.50



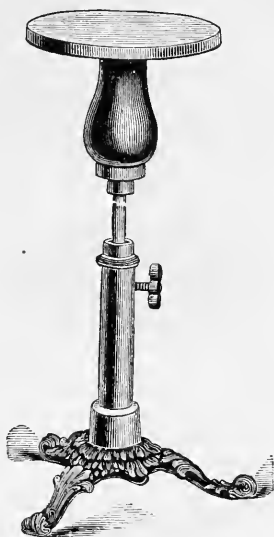
No. 2.

Hard Wood Disk, $6\frac{3}{4}$ in. diameter per piece \$5.25

No. 3.

All Steel. Disk, 6 in. diameter per piece \$8.00

MATERIALS FOR CHINA AND GLASS PAINTING—Cont'd
BANDING WHEELS—Continued.



No. 4.

Heavy Metal-Brass Disk, $8\frac{1}{2}$ inch. Diam., 24 inches high
and can be raised to 36 inches.....each, \$13.50

Alling's Banding Wheels

SELF-CENTERING.

WITH PATENT ATTACHMENT HOLDING WARE IN PLACE, AND
ARM-REST.



Nickel Plated Wheel.....each \$12 00
Japanned Wheel..... “ 10 00

MATERIALS FOR CHINA AND GLASS PAINTING—Con'd.

Wilke's Studio Gas Kiln.

FOR FIRING DECORATED CHINA, EARTHENWARE AND GLASS.



Made in six sizes, viz:—

No. 1	size of Muffle	12 inches high by 10,	weight 100 lbs.	.....each	\$20.00
No. 2	"	" 14 " " " 12,	" 150 lbs.	..... "	25.00
No. 3	"	" 18 " " 14,	" 300 lbs.	..... "	35.00
No. 4	"	" 19 " " 15,	" 400 lbs.	..... "	45.00
No. 5	"	" 20 " " 18,	" 500 lbs.	..... "	75.00
No. 6	"	" 26 " " 20"	" 800 lbs.	..... "	125.00

A $\frac{3}{4}$ inch Supply Pipe, a $\frac{3}{4}$ inch Valve, and a 5-light Meter is ample for any of above sizes, excepting No. 6.

Kiln equipped for burning gasoline at an advance on above prices of \$5.00. This Apparatus can be attached to any of Wilke's Gas Kilns.

Directions for setting up and firing furnished with each Kiln.

STILTS, SPURS AND BARS.

Stilts, No. 1	.....per dozen	\$0.10
" " 2	..... "	0.15
" " 3	..... "	0.20
" " 4	..... "	0.25
Spurs, " 1	..... "	0.08
" " 2	..... "	0.10
Triangular Bars, No. 1	..... "	0.08
" " " 2	..... "	0.10

ARTISTS' CUTLERY AND SUNDRY TOOLS.

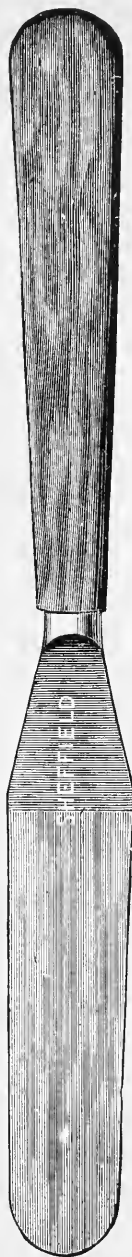
BEST QUALITY ARTISTS' ENGLISH STEEL PALETTE KNIVES.
COCOA HANDLE.



3 Inch Blade. Original Size.

Length of Blade	3 in.	3½ in.	4 in.	4½ in.	5 in.	6 in.
Per Dozen	\$3.00	3.00	3 25	3.50	4.00	5 50

BEST QUALITY PAINTERS' ENGLISH STEEL PALETTE KNIVES.
PLAIN HANDLE.

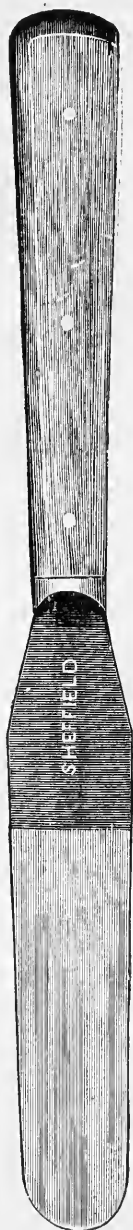


3 Inch Blade. Original Size.

Length of Blade	3 in.	4 in.	5 in.	6 in.	7 in.	8 in.	9 in.	10 in.	11 in.	12 in.
Per Dozen	\$2.25	2.25	2.75	3.25	4.75	5.75	7.50	9.25	13.00	16.00

ARTISTS' CUTLERY AND SUNDRY TOOLS.—Continued.

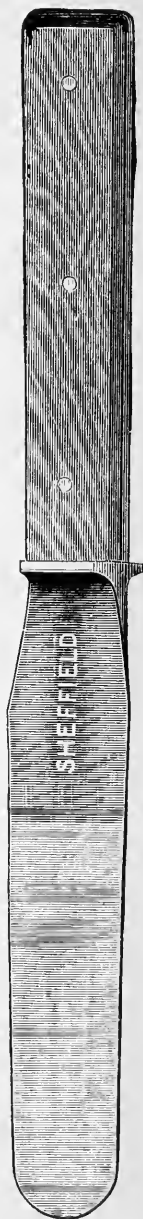
BEST QUALITY PAINTERS' ENGLISH STEEL PALETTE KNIVES.
RIVETED HANDLE.



3 inch Blade Original Size.

Length of Blade	3 in.	4 in.	5 in.	6 in.	7 in.	8 in.	9 in.	10 in.	11 in.	12 in.
Price per Dozen	\$2 50	2 50	3 00	4 00	5 00	6 00	8 00	10 00	14 00	16 50

RIVETED HANDLE, HIGH BALANCE.



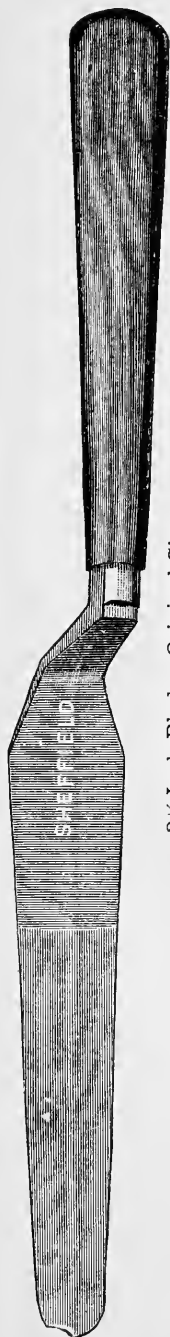
3 inch Blade. Original Size

Length of Blade	3 in.	4 in.	5 in.	6 in.	7 in.	8 in.	9 in.	10 in.	11 in.	12 in.
Price per Dozen	\$3 25	3 25	4 00	4 75	6 00	7 50	9 00	12 00	15 00	17 50

ARTISTS' CUTLERY AND SUNDRY TOOLS.—Continued.

BEST QUALITY ARTISTS' ENGLISH STEEL PALETTE KNIVES.

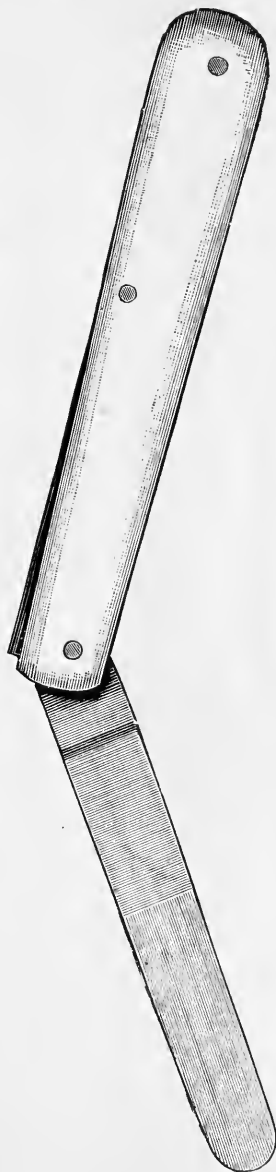
Cocoa Handle, Trowel Shape.



3½ Inch Blade. Original Size.

Length of Blade	3½ in.	4 in.	4½ in.	5 in.	6 in.
Per Dozen	\$5.50	5.50	5.75	5.75	6.50

Best Quality Artists' English Steel Pocket Palette Knives.



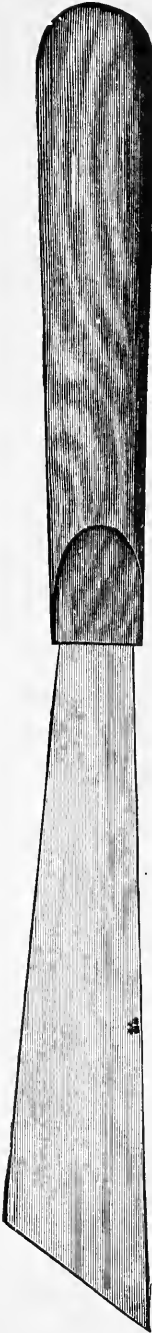
Original Size.

Ivory Handle, per doz. \$12.50 | Pearl Handle, per doz. \$17.50

ARTISTS' CUTLERY AND SUNDRY TOOLS.—Continued.

ARTISTS' FINE STEEL PALETTE KNIVES.

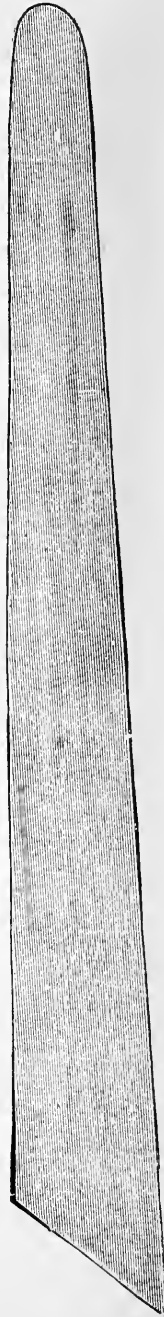
German Shape, Cocoa Handle.



3½ inch Blade, Original Size.

Length of Blade	3 in.	3½ in.	4 in.
Per Dozen	\$4.25	4 75	5.50

German Shape. All Steel.



Original Size.

Per Dozen	\$4.25
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ARTISTS' CUTLERY AND SUNDRY TOOLS.—Continued.

ARTISTS' FINE BONE PALETTE KNIVES,

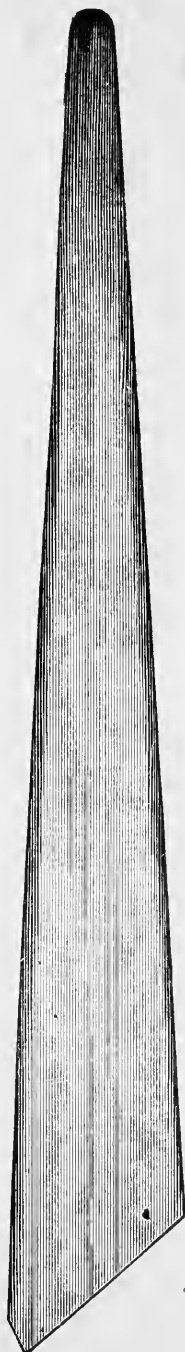
Black Horn Handle, riveted.



Original Size.

Per Dozen.....\$4.00

ARTISTS' FINE HORN PALETTE KNIVES:



7 inch. Original Size.

Length	4 in.	5 in.	6 in.	7 in.	9 in.
Per Dozen	\$1.00	1.20	1.75	2.50	3.00

ARTISTS' CUTLERY AND SUNDRY TOOLS.—Continued.

ARTISTS' STEEL COLOR ERASING PINS.



Original Size
Polished wood handle, brass ferrule..... per dozen \$2 25

COMBINATION STEEL COLOR ERASER AND ERASING PIN.



Per dozen..... \$6 00

ERASING KNIVES.



Original Size.
Per dozen..... ~~\$1 00~~ 50

ARTISTS' CUTLERY AND SUNDRY TOOLS—Continued.

ARTISTS' FINE STEEL COLOR ERASER.



Original Size.

Curved, Polished Wood Handle..... per dozen \$4 50



Original Size

Lance-shaped, Ebony Handle per dozen \$4 50



Original Size

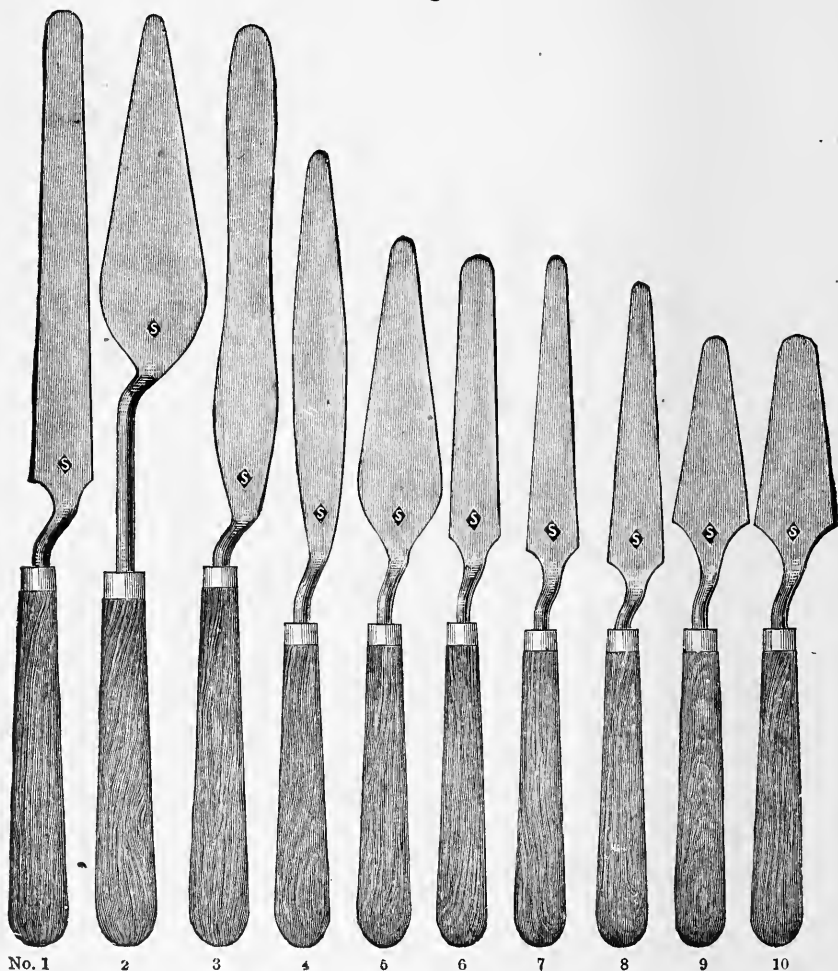
Straight, Polished Wood Handle..... per dozen \$4 50

ARTISTS' CUTLERY AND SUNDRY TOOLS—Continued.

BEST QUALITY ARTISTS' ENGLISH STEEL PAINTING KNIVES.

Cocoa Handle.—Brass Ferrule.

Half of Original Size.



No. 1

2

3

4

5

6

7

8

9

10

No. 1	per dozen	\$8.50
2	"	13.50
3	"	9.25
4	"	8.00
5	"	13.00

No. 6	per dozen	\$7.50
7	"	7.50
8	"	7.50
9	"	12.00
10	"	12.00

ARTISTS' CUTLERY AND SUNDRY TOOLS—Continued.

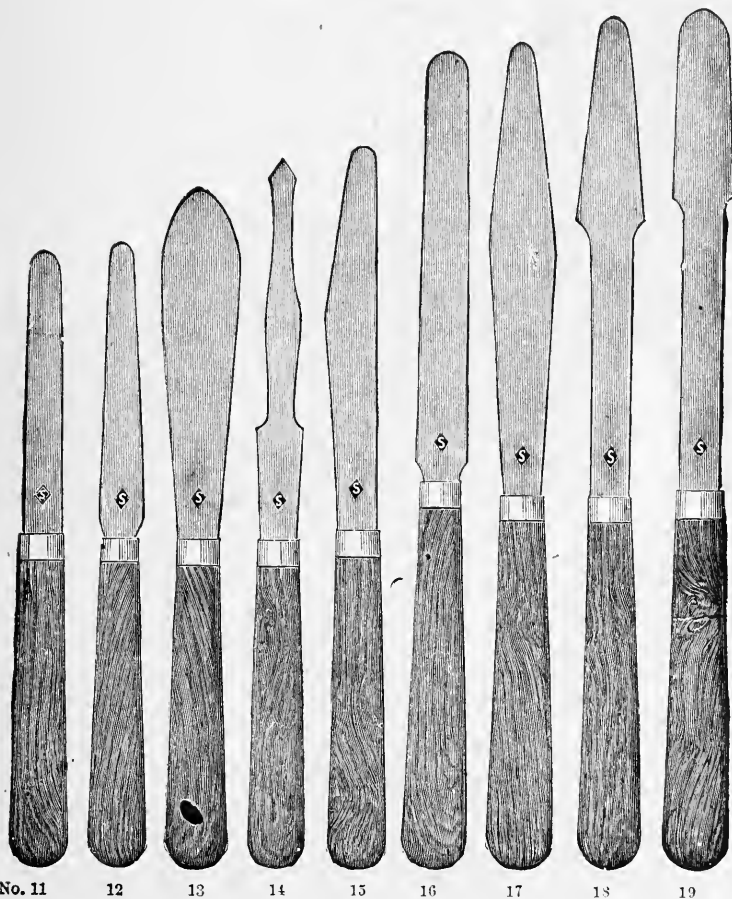
BEST QUALITY

ARTISTS' ENGLISH STEEL PAINTING KNIVES.

(Continued.)

Cocoa Handle.—Brass Ferrule.

Half of Original Size.



No. 11.....	per dozen	\$7.00	No. 15.....	per dozen	\$7.50
12.....	"	7.00	16.....	"	7.50
13.....	"	7.50	17.....	"	8.00
14.....	"	9.25	18.....	"	9.00
No. 19.....		per dozen	\$9.00		

ARTISTS' CUTLERY AND SUNDRY TOOLS—Continued.

GILDERS' KNIVES.



Half of Original Size

Single edge, Cocoa handle.....per dozen \$5.00



Half of Original Size

Double edge, Cocoa handle.....per dozen \$6.50

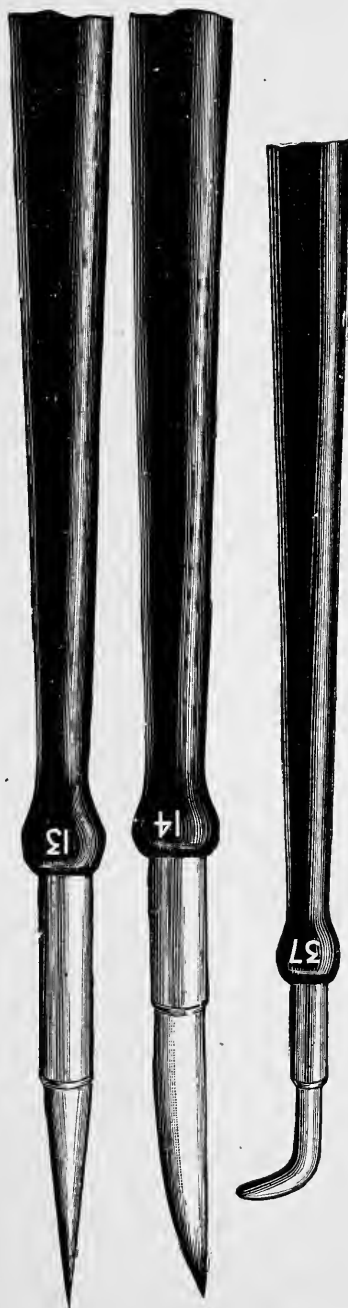
ARTISTS' CUTLERY AND SUNDRY TOOLS.—Continued.

Original Sizes.

No.	1	per dozen	\$7.50
"	2	"	7.50
"	3	"	6.00
"	4	"	6.00
"	5	"	6.00
"	6	"	6.00
"	7	"	6.00
"	8	"	6.50
"	9	"	6.00
"	10	"	5.00
"	11	"	3.50
"	12	"	4.50
"	13	"	4.25
"	14	"	6.00
"	15	"	7.50
"	16	"	7.00
"	17	"	7.00
"	18	"	7.00
"	19	"	7.00
"	20	"	7.75
"	21	"	7.00
"	22	"	7.00
"	23	"	6.75
"	24	"	7.75
"	25	"	7.75
"	26	"	7.75
"	27	"	7.50
"	28	"	38.90
"	29	"	15.00
"	30	"	7.25
"	31	"	8.50
"	32	"	5.50
"	33	"	7.75
"	34	"	5.50
"	35	"	7.00
"	36	"	7.75
"	37	"	5.50
"	38	"	7.00
"	39	"	7.00
"	40	"	7.00
"	41	"	9.25
"	42	"	9.25
"	43	"	7.00
"	44	"	7.00
"	45	"	7.00
"	46	"	7.00

Sketches of other Sizes furnished on application.

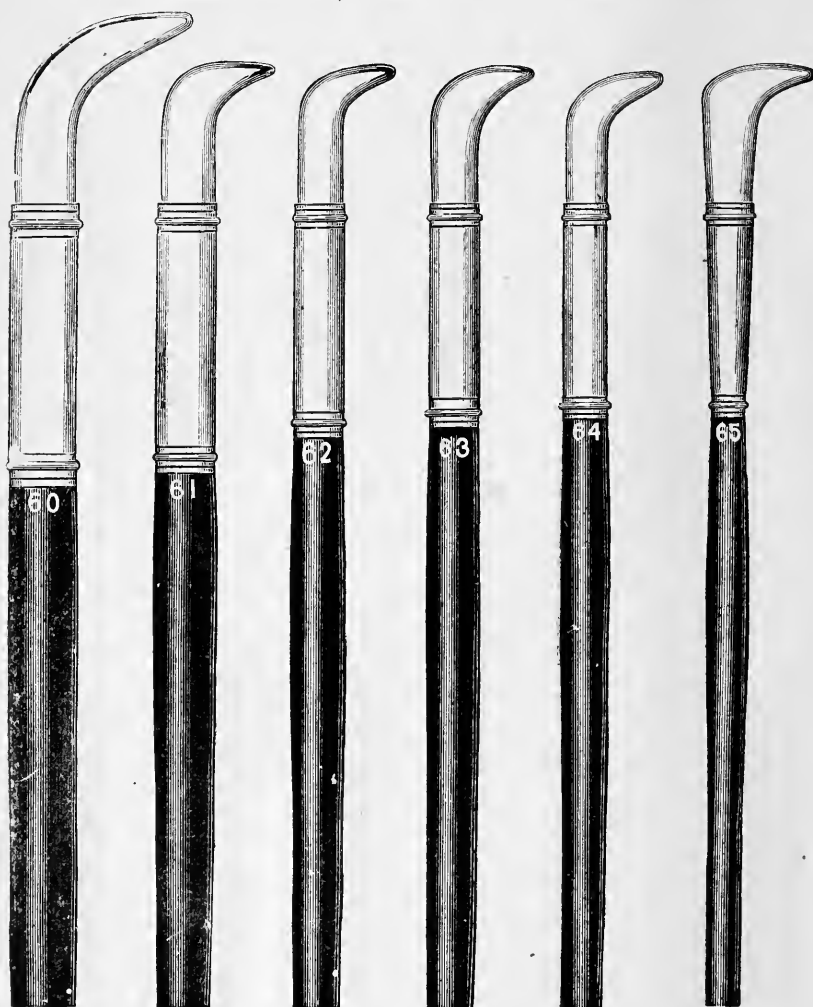
ARTISTS' AGATE BURNISHERS, BRASS FERRULES.
Polished Wood Handle.



ARTISTS' CUTLERY AND SUNDRY TOOLS—Continued.

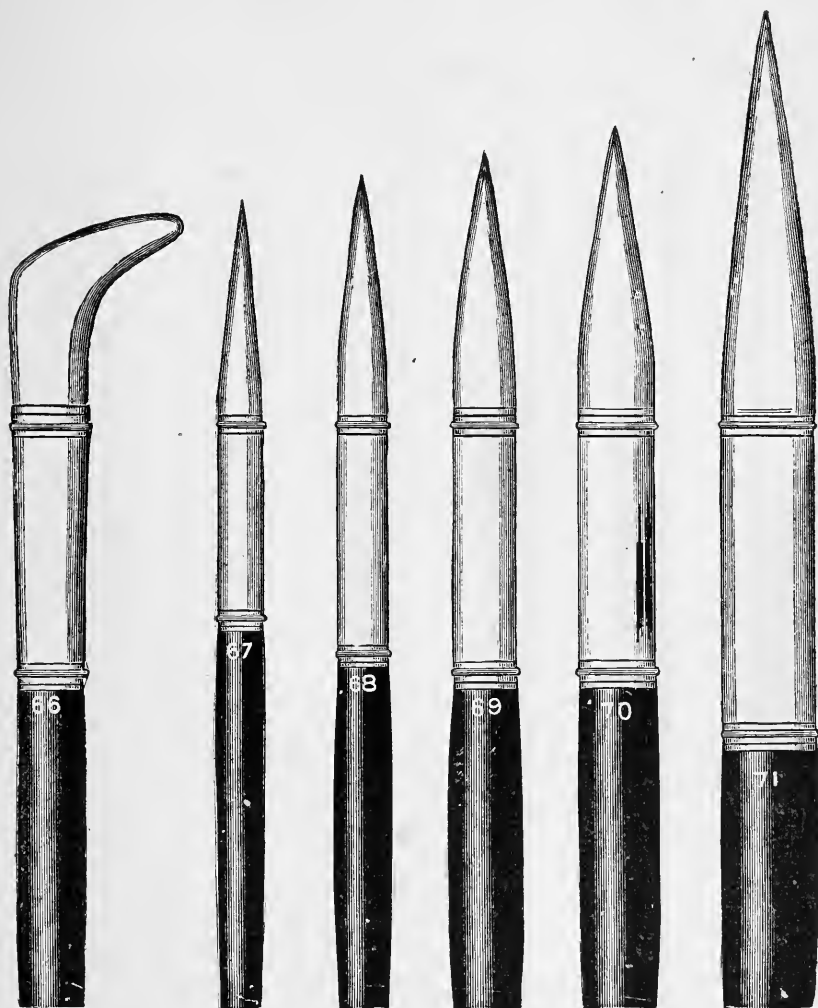
AGATE ILLUMINATORS.

Brass Ferrules, Polished Wood Handles.



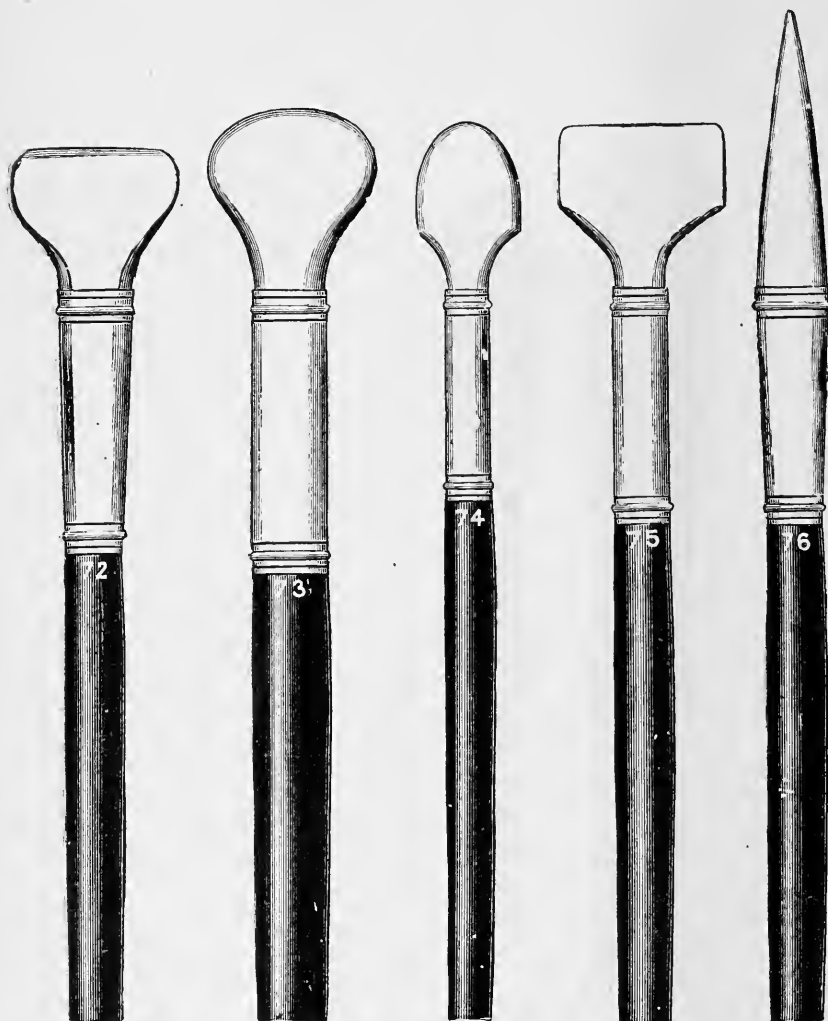
No. 60	.....	per dozen	\$6.50
" 61	.....	"	6.50
" 62	.....	"	6.00
" 63	.....	"	6.00
" 64	.....	"	6.00
" 65	.....	"	6.00

ARTISTS' CUTLERY AND SUNDRY TOOLS.—Continued.

Agate Illuminators—Continued.

No. 66	.....	per dozen	\$6 50
" 67	.....	"	5 50
" 68	.....	"	5 50
" 69	.....	"	5 50
" 70	.....	"	5 50
" 71	.....	"	6 50

ARTISTS' CUTLERY AND SUNDRY TOOLS—Continued.

Agate Illuminators—Continued.

No. 72.....	per dozen	\$6.00
“ 73.....	“	6 00
“ 74.....	“	6.00
“ 75.....	“	6.00
“ 76.....	“	6.50

ARTISTS' CUTLERY AND SUNDRY TOOLS.—Continued.

ARTISTS' BLOODSTONE BURNISHERS, POLISHED WOOD HANDLE.—BRASS FERRULE.



Original Sizes Sketches of other Sizes furnished on application.

No. 1.....	per piece \$0 60	No. 10	per piece \$0 60	No. 18.....	per piece \$0.60
" 2.....	" 0 75	" 11.....	" 0 75	" 19.....	" 0 75
" 3.....	" 1 00	" 12.....	" 1 00	" 20.....	" 1 00
" 4.....	" 1 20	" 13.....	" 1 20	" 21.....	" 1 20
" 5.....	" 1 50	" 14.....	" 1 50	" 22.....	" 1 50
" 6.....	" 2 50	" 15.....	" 2 40	" 23.....	" 2 40
" 7.....	" 3 00	" 16.....	" 3 50	" 24.....	" 4 25
" 8.....	" 2 40	" 17.....	" 2 85	" 25.....	" 3 75
" 9.....	" 1 50			" 26.....	" 2 85
Extra large, flat, for Bookbinders..... per piece \$6.00					

ARTISTS' CUTLERY AND SUNDRY TOOLS.—Continued

POCKET AGATE TRACER AND BURNISHER,

MOUNTED IN GERMAN SILVER.



Original Size.

For tracing, burnishing, &c.....per dozen \$3 50

ARTISTS' GLASS BRUSHES,

For Scouring and Matting Gold.

Original thickness. Original length of brush is 8 inches.

No	1 ($\frac{1}{2}$ inch thick)	2 ($\frac{3}{4}$ inch thick)	3 (1 in. thick)	4 ($1\frac{1}{2}$ in. thick)
Per doz	\$3.00	6.00	9.00	18.00

MATERIALS FOR OIL PAINTING.

WINSOR & NEWTON'S FINELY PREPARED OIL COLORS IN PATENT COLLAPSIBLE TUBES



ANTWERP BLUE
ASPHALTUM (thick)
BITUMEN
BLACK LEAD
BLUE BLACK
BONE BROWN
BROWN OCHRE
BROWN PINK
BURNT ROMAN OCHRE
BURNT SIENNA

BURNT UMBER
CALEDONIAN BROWN
CAPPAN BROWN
CASSEL EARTH
CHINESE BLUE
CHROME GREEN No. 1
CHROME GREEN No. 2
CHROME GREEN No. 3
CHROME, LEMON
CHROME, YELLOW

MATERIALS FOR OIL PAINTING.—Continued.
WINSOR & NEWTON'S FINELY PREPARED OIL COLORS.
 (Continued.)

Chrome, Deep	Naples Yellow
Chrome, Orange	Neutral Tint
Chrome, Red	New Blue
Cinnabar Green, Light	Nottingham White
Cinnabar Green, Middle	Olive Green
Cinnabar Green, Deep,	Olive Lake
Cologne Earth	Orpiment
Copal Megilp	Oxford Ochre
Cork Black	Payne's Grey
Cremnitz White	Permanent Blue
Crimson Make	Permanent White
Emerald Green,	Permanent Yellow
Flake White	Prussian Blue
Gamboge	Prussian Brown
Indian Lake	Prussian Green
Indian Red	Purple Lake
Indigo	Pyne's Megilp
Italian Pink	Raw Sienna
Ivory Black	Raw Umber
Jaune Brilliant	Roman Ochre
King's Yellow	Roman Ochre, Cool
Lamp Black	Sap Green
Light Red	Scarlet Lake
Magenta	Silver White
Mauve	Sugar of Lead
Mauve No. 2	Terra Rosa
Medium (Improved Megilp)	Terre Verte
Megilp	Transparent Gold Ochre
Monochrome Tint, Cool, 1	Vandyke Brown
Monochrome Tint, Cool, 2	Venetian Red
Monochrome Tint, Cool, 3	Verdigris
Monochrome Tint, Warm, 1	Verona Brown
Monochrome Tint, Warm, 2	Yellow Lake
Monochrome Tint, Warm, 3	Yellow Ochre
Mummy	Zinc White.
Naples Yellow French	

Per dozen Tubes.....\$1.50

Double Tubes	Treble Tubes.	Quadruple Tubes.
Cremnitz White	Cremnitz White	Cremnitz White
Flake White	Flake White	Flake White
Silver White	Silver White	Silver White
Medium		
Megilp		

\$3.00
(Double)

Per Dozen Tubes:
\$4.50
(Treble)

\$6.00
(Quadruple)

MATERIALS FOR OIL PAINTING.—Continued.

WINSOR & NEWTON'S FINELY PREPARED OIL COLORS

(Continued.)

Brown Madder	Green Lake, Deep
Burnt Lake	Rembrandt Madder
Cerulean Blue	Reuben's Madder
Chinese Vermilion	Sepia
French Vermilion	Vermilion, Pale
Geranium Lake	Vermilion.
Green Lake, Light	

Per dozen.....\$2.40

Brilliant Ultramarine	Mars Orange
Carmine No. 2	Mars Red
Citron Yellow	Mars Violet
Cobalt Blue	Mars Yellow
Cobalt Green	Mineral Grey
Extract of Vermilion	Orange Vermilion
French Ultramarine	Oxide of Chromium
French Veronese Green	Oxide, Transparent
Indian Yellow	Pink Madder
Leitch's Blue	Purple Madder
Lemon Yellow, Pale	Rose Madder
Lemon Yellow	Scarlet Madder
Madder Lake	Scarlet Vermilion
Malachite Green	Strontian Yellow
Mars Brown	Viridian

Per dozen.....\$4.20

Aureolin	Field's Orange Vermilion
Burnt Carmine	Indian Purple
Cadmium Yellow, Pale	Madder Carmine
Cadmium Yellow, Deep	Orient Yellow
Cadmium Orange	Violet Carmine
Carmine, Finest	Yellow Carmine
Crimson Madder	

Per dozen.....\$6.60

Aurora Yellow	Primrose Aureolin
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Per dozen.....\$9.00

Extra Madder Carmine	Ultramarine Ash
Extra Purple Madder	

Per dozen.....\$12.00

EMPTY COLLAPSIBLE TUBES.

$\frac{1}{2}$ x 2 in., when filled, .per gross, \$3.00	$\frac{3}{4}$ x 4 in., when filled, .per gross, \$4.50
$\frac{1}{2}$ x 3 " " " " " " 3.25	1 x 4 " " " " " " 7.50
$\frac{1}{2}$ x 4 " " " " " " 3.50	1 x $5\frac{1}{4}$ " " " " " " 11.00

MATERIALS FOR OIL PAINTING—Continued.



2 OUNCE.

WINSOR & NEWTON'S
ARTISTS' OILS & VARNISHES

Linseed Oil.....	per dozen, \$2.40
Poppy ".....	" 2.75
Nut ".....	" 2.75
Pale Drying Oil.....	" 2.75
Strong ".....	" 2.75
Picture Mastic Varnish.....	" 10.50
Genuine ".....	" 13.00
Picture Copal.....	" 5.40
Oil ".....	" 5.40

FRENCH OILS, VARNISHES & MEDIUMS.



Siccatif de Harlem.....	per dozen, \$5.40
Siccatif Courtray Round Bottles.....	" 4.50
Siccatif Courtray Square.....	" 2.75
Soehnée's Retouching Varnish No 2, for Water Colors.....	" 3.00
Soehnée's " 3, " Oil.....	" 3.90

DECOLINE.

A Liquid for Mixing with Oil Colors, to prevent Colors Spreading
when Painting on Silk, Satin, Paper, Etc.

Per Dozen Bottles.....	\$3.00
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ROBERSON'S MEDIUM.

Treble Size Tubes.....	per dozen, \$6.00
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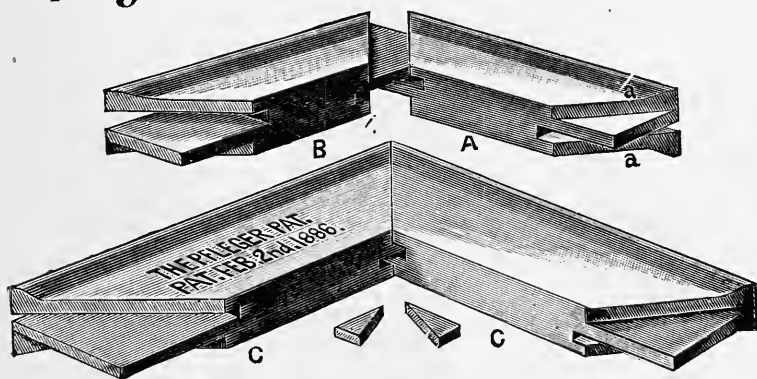
MATERIALS FOR OIL PAINTING.—Continued.

A. SARTORIUS & CO.'S

Artists' Extrafine Oils, Varnishes, &c.

	1 oz. bottles. per dozen.	2 oz. bottles. per dozen.
Linseed Oil, Purified	\$1.00	\$1.50
Poppy Oil	1.20	1.80
Nut Oil,	1.20	1.80
Drying Oil, Strong,	1.00	1.50
" " Pale	1.20	1.80
Genuine Mastic Varnish,	2.40	4.80
Picture Mastic Varnish,	2.00	3.50
Damar Varnish, Extra,	1.25	2.40
Picture Copal Varnish,	1.25	2.40
White Spirit Varnish	1.75	2.75
Retouching Varnish,	1.75	3.00
Spirits of Turpentine, Rectified,	1.00	1.50

Pfleger's Patent Stretchers.



We call special attention to above stretchers, as being the only article of the kind in the market which can be handled successfully by dealers generally, without carrying a large stock of sizes.—The stretchers differ from other stretchers in this respect, that all the pieces are exactly alike (excepting length), any two pieces making a complete mitre.—

Instead of selling same as stretchers, we sell them as stretcher strips, four strips making a complete stretcher.

To illustrate, a dealer carries in stock $\frac{1}{2}$ dozen of each of the different length pieces, say from 8 inch to 36 inch, making 28 different sizes in all.—It can readily be seen that he can make any size stretcher from 8x8 to 36x36, or any size between, as 8x16, 15x19, 15x36 &c., obviating all delay of odd sizes heretofore experienced by dealers, at the same time placing stretcher stock in such form as can be easily handled.

PRICES OF STRIPS.

From 6 to 36 inches,	per 100 Strips	\$3.00
" 37 to 48 " 	" "	10.00

MATERIALS FOR OIL PAINTING—Continued.

Winsor & Newton's Artists' Prepared Canvas.

IN ROLLS OF SIX YARDS.

27 inches wide, per roll.....	Plain	\$6.00	Roman, \$6.00	Twilled, \$7.70
30 " " " " " " " " " "		6.60	" 6.60	" 8.25
36 " " " " " " " " " "		7.75	" 7.75	" 9.70
38 " " " " " " " " " "		8.25	" 8.25	" 10.60
42 " " " " " " " " " "		9.20	" 9.20	" 12.00
45 " " " " " " " " " "		11.20	" 11.20	" 13.70
54 " " " " " " " " " "		14.25	" 14.25	" 16.60

A. SARTORIUS & CO.'S ARTISTS' PREPARED CANVAS.

Made of Best English Linen Rolls of Six Yards.

27 inches wide per roll	Smooth	\$5.00	Roman \$5.00	Twilled \$6.00
30 " " " " " " " " " "		5.40	" 5.40	" 7.00
36 " " " " " " " " " "		6.25	" 6.25	" 8.00
42 " " " " " " " " " "		7.50	" 7.50	" 10.00
45 " " " " " " " " " "		9.00	" 9.00	" 12.00
54 " " " " " " " " " "		12.35	" 12.35	
62 " " " " " " " " " "		17.00		
74 " " " " " " " " " "		21.00		
86 " " " " " " " " " "		26.00		

**A. SARTORIUS & CO.'S
BEST PREPARED SKETCHING CANVAS.**

IN ROLLS OF SIX YARDS.

27 inches wide	Plain	.....	per roll, \$2.70
30 " " " " " " " " " "			2.95
36 " " " " " " " " " "			3.55
27 " " " " " " " " " "	Twilled.....		3.45
30 " " " " " " " " " "			3.85
36 " " " " " " " " " "			4.15
38 " " " " " " " " " "	plain, white back.....		3.00

MATERIALS FOR OIL PAINTING—Continued.

Artists' Prepared Canvas,

Mounted on Stretchers.

SIZES.	A. SARTORIUS & CO.'S			WINSOR & NEWTON'S	
	PLAIN SKETCHING.	SMOOTH OR ROMAN.	TWILLED.	SMOOTH OR ROMAN.	TWILLED.
6x8	\$0.25	\$0.30	\$0.40	\$0.35	\$0.45
8x10	.25	.35	.45	.40	.50
8x12	.30	.35	.45	.40	.50
9x12	.30	.35	.45	.40	.50
10x12	.30	.40	.50	.45	.55
10x14	.35	.40	.55	.45	.60
12x14	.40	.50	.60	.55	.65
12x15	.40	.50	.60	.60	.70
12x16	.40	.50	.60	.60	.70
12x17	.45	.55	.65	.60	.75
12x18	.45	.55	.65	.60	.75
12x20	.50	.60	.70	.80	1.10
12x22	.60	.70	.80	.80	1.10
12x24	.65	.75	.90	.80	1.10
14x17	.50	.60	.80	.65	.90
14x18	.50	.60	.80	.65	.90
15x18	.50	.60	.85	.70	.95
14x20	.50	.60	.85	.70	.95
16x20	.60	.70	.95	.80	1.10
16x22	.65	.75	.95	.80	1.10
16x24	.70	.80	1.00	.85	1.15
17x21	.70	.80	1.00	.90	1.15
18x22	.70	.90	1.10	1.00	1.25
18x24	.70	.90	1.10	1.00	1.25
20x24	.75	1.00	1.25	1.10	1.40
22x27	.90	1.10	1.40	1.25	1.65
20x30	.90	1.10	1.40	1.25	1.65
18x30	.90	1.10	1.45	1.25	1.65
18x32	.90	1.20	1.45	1.35	1.70
22x30	.90	1.25	1.60	1.35	1.70
25x30	1.00	1.25	1.60	1.40	1.90
20x26	1.00	1.30	1.75	1.40	1.90
22x26	1.10	1.40	2.00	1.50	2.00
27x34	1.20	1.55	1.90	1.65	2.20
24x32	1.30	1.45	1.90	1.55	2.10
24x36	1.30	1.45	2.10	1.75	2.50
27x36	1.30	1.65	2.10	1.75	2.50
29x36	1.30	1.65	2.35	1.75	2.50
24x42	1.40	1.90	2.40	2.00	2.75
28x40	1.50	2.00	2.50	2.10	2.85
30x40	1.50	2.00	2.60	2.25	3.15
30x42	1.50	2.10	2.75	2.40	3.25
30x45	1.60	2.25	3.00	2.50	3.25
30x50	1.75	2.50	3.00	2.70	3.50
36x42	1.75	2.40	3.00	2.60	3.50
40x50		3.15	3.90	3.50	4.50
40x60		4.00	5.00	4.50	5.50

Any other Size made to Order.

MATERIALS FOR OIL PAINTING.—Continued.

CANVAS PLIERS.

Each\$1.75

CANVAS ERASERS OR SCRAPER.

CURVED STEEL BLADE—EBONY HANDLE.

1½ in. blade.....	per dozen, \$5.25	2½ in. blade.....	per dozen, \$8.00
1½ " ".....	6.00	3 " ".....	9.00
2 " ".....	6.60		

NUEVA BOARDS

For Painting and Sketching in Oil.

The points of excellence of the Nueva Board consists in the perfect adaptability of its surface and texture, its constancy, or freedom from warping, its weight and color.

PORTRAIT SIZES.

4x6.....	per dozen \$1 10	14x18.....	per dozen \$5.50
6x8.....	" 1.80	16x20.....	" 7.45
8x10.....	" 2.75	17x21.....	" 9.00
10x12.....	" 3.55	20x24.....	" 11.75
12x14.....	" 4.30		

LANDSCAPE SIZES.

6x9.....	per dozen \$1 95	12x20.....	per dozen \$5.80
8x12.....	" 2.90	14x17.....	" 5.25
9x12.....	" 3.20	14x20.....	" 5.80
9x13.....	" 3.45	16x20.....	" 7.45
10x14.....	" 3.85	16x22.....	" 8.00
10x16.....	" 4.30	16x24.....	" 8.55
11x15.....	" 4.30	18x24.....	" 10.35
12x15.....	" 4.55	18x30.....	" 11.75
12x16.....	" 4.55	20x27.....	" 13.80
12x18.....	" 5.25	20x30.....	" 15.20

PANEL SIZES

4x8.....	per dozen \$1 40	9x18.....	per dozen \$4.40
6x12.....	" 2.75	10x20.....	" 5.00
8x16.....	" 3.55	12x24.....	" 6.20
8x18.....	" 4.15		

MATERIALS FOR OIL PAINTING—Continued.

Russell's Prepared Artists' Canvas Boards FOR OIL PAINTING.

4 x 6 inches.....per dozen, \$0.75	10 x 16 inches.....per dozen, \$3.25
4 x 8 ".....".....1.00	10 x 18 ".....".....3.50
6 x 8 ".....".....1.25	10 x 20 ".....".....3.75
5 x 10 ".....".....1.50	12 x 14 ".....".....3.25
6 x 10 ".....".....1.50	12 x 16 ".....".....3.50
6 x 12 ".....".....1.75	12 x 18 ".....".....4.00
7 x 9 ".....".....1.50	12 x 20 ".....".....4.50
7 x 11 ".....".....1.75	12 x 22 ".....".....4.75
7 x 14 ".....".....2.25	12 x 24 ".....".....5.00
7 x 15 ".....".....2.50	14 x 16 ".....".....4.00
8 x 10 ".....".....2.00	14 x 18 ".....".....5.00
8 x 12 ".....".....2.25	14 x 20 ".....".....5.00
8 x 14 ".....".....2.50	14 x 22 ".....".....5.50
8 x 16 ".....".....2.75	14 x 24 ".....".....6.00
9 x 11 ".....".....2.50	16 x 20 ".....".....6.00
9 x 12 ".....".....2.75	16 x 22 ".....".....6.50
9 x 13 ".....".....2.75	16 x 24 ".....".....7.00
9 x 15 ".....".....3.00	18 x 22 ".....".....7.50
9 x 18 ".....".....3.25	18 x 24 ".....".....8.00
10 x 12 ".....".....2.75	20 x 24 ".....".....9.50
10 x 14 ".....".....3.00	

A. Sartorius & Co.'s Superior Academy Boards.

SMOOTH, STIPPLED, AND ROUGH SURFACE.

6 x 9 inches.....per dozen, \$0.40	12 x 18 inches.....per dozen, \$1.50
9 x 12 ".....".....0.75	18 x 24 ".....".....3.00

A. SARTORIUS & CO.'S

Superior Prepared Oil Sketching Paper.

HEAVY.

Smooth, 22 x 30 inches.....per dozen, \$2.30
Rough, 22 x 30 ".....".....2.30

A. Sartorius & Co.'s Oil Sketching Blocks

SMOOTH AND STIPPLED SURFACE.

These Blocks consist of 24 sheets of Oil Sketching Paper, compressed so as to form an apparently solid block. By passing a knife under the edge of the uppermost surface, the sheet can be easily removed.

PLAIN BLOCKS.

5 x 7 inches.....each, \$0.50
7 x 10 ".....".....1.00
9 x 12 ".....".....1.50
10 x 14 ".....".....1.75
12 x 18 ".....".....2.50
14 x 20 ".....".....3.75

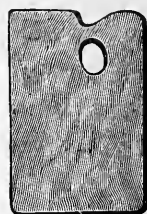
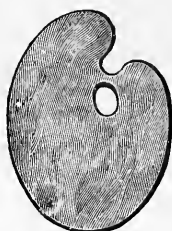
BOUND BLOCKS.

5 x 7 inches.....each, \$0.90
7 x 10 ".....".....1.50
9 x 12 ".....".....2.00
10 x 14 ".....".....2.50
12 x 18 ".....".....3.50
14 x 20 ".....".....5.00

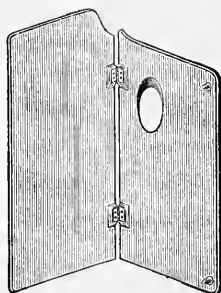
MATERIALS FOR OIL PAINTING—Continued.

FINELY PREPARED
TULIP WOOD PANELS.

No. 1.	$6\frac{1}{4} \times 8\frac{3}{4}$ inches	.....each	\$0.40
" 2.	$7\frac{1}{2} \times 9\frac{1}{2}$ "	....."	0.50
" 3.	$8\frac{5}{8} \times 10\frac{5}{8}$ "	....."	0.60

A. Sartorius & Co.'s Wooden Palettes.**MAHOGANY OR MAPLE.**

		OILED POLISHED	
Oval or Oblong	$6\frac{1}{2} \times 9$ inches	.....per dozen	\$1.50 \$4.20
"	" 7x10 inches	....."	1.80 4.50
"	" $7\frac{1}{2} \times 11$ inches	....."	2.20 5.00
"	" 8x12 inches	....."	2.60 5.50
"	" 9x13 inches	....."	3.00 6.20
"	" $9\frac{1}{2} \times 14$ inches	....."	3.50 7.00
"	" 10x15 inches	....."	4.00 7.75

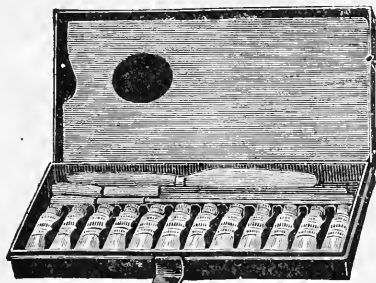
**FOLDING PALETTES.**

Mahogany, Oiled, 10x12, superior quality.....per doz. \$7.50

MATERIALS FOR OIL PAINTING—Continued.

A. SARTORIUS & CO.'S

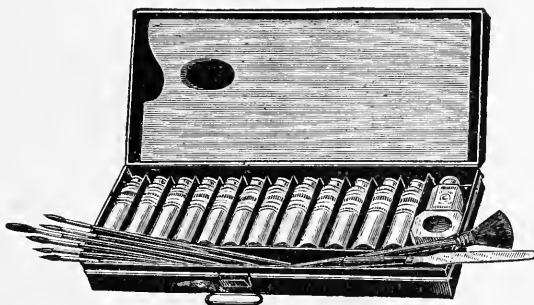
ARTISTS' OIL COLOR BOXES.



No. 1.

Japanned Tin, $7\frac{1}{2} \times 5\frac{1}{4} \times \frac{7}{8}$ inches. Empty, containing Palette,
per dozen..... \$9.00

"Complete", containing twelve tubes of A. S. & Co.'s Oil
Colors, one each Bristle Brush No. 1, 2, 3, 4, Maho-
gany Palette and Palette Knife.....each, \$2.50



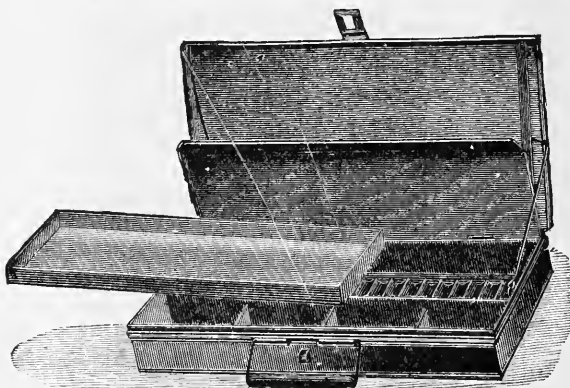
No. 2.

Japanned Tin, $9 \times 5\frac{1}{2} \times 1\frac{1}{4}$ inches. Empty, containing Palette
and Oil Cup..... per dozen, \$13.50

"Complete," containing twelve tubes of A. S. & Co.'s Oil
Colors, one extra fine Bristle Brush, each No. 1, 2,
3, 4, 5, 6, one extra fine Red Sable Artist Brush,
each No. 2, 4, 8, one Round Badger Blender No. 4,
one Steel Palette Knife, Mahogany Palette, Bottle
Linseed Oil and Oil Cupeach, \$3.75

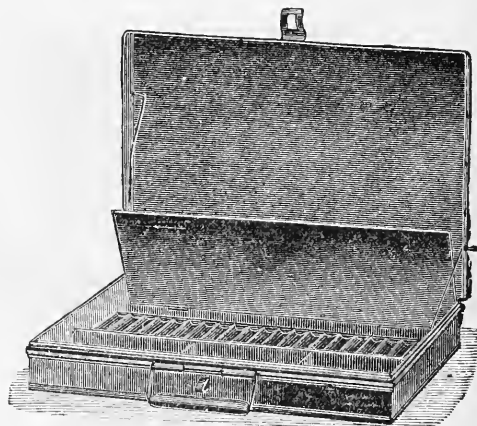
MATERIALS FOR OIL PAINTING.—Continued.

A. SARTORIUS & CO.'S

Artists' Oil Color Boxes.—Continued.**No. 3.**

Japanned Tin, 13x6x2 inches deep. Empty.....per dozen \$18.00
 Containing Extra Tray for Tubes, and Lid with Spring securely covering contents.

"Complete", containing eighteen tubes A.S.&Co.'s Oil Colors, six Extra fine Bristle Brushes, assorted, one Extra Fine Red Sable Brush, each No. 2, 4, 6, 8, one Round Badger Blender No. 4, Steel Palette Knife, Palette Cup, Mahogany Palette, Poppy Oil, Pale Drying Oil, and Turpentine in Tin Bottles...each \$7.00

**No. 4.**

Japanned Tin, 13x9x3 inches deep. Empty.....per dozen \$18.00
 Containing Lid with Spring securely covering Tubes

"Complete", containing 21 tubes of A.S.&Co.'s Oil Colors, one Extra Fine Red Sable Brush, each No. 2, 4, 6, 8, one Landseer's Bristle Brush, each No. 1 and 3, one Round Badger Blender No. 4, Steel Palette Knife, Mahogany Palette, Palette Cup, Crayon Holder, Charcoal, Pale Drying Oil, Poppy Oil, and Turpentine in Tin Bottles.....each, \$7.50

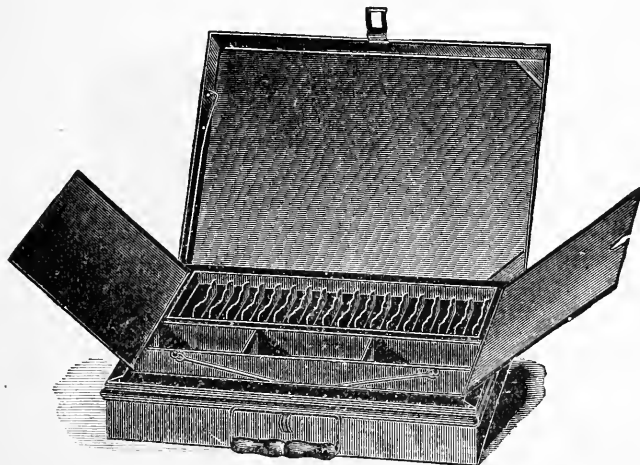
MATERIALS FOR OIL PAINTING—Continued.

A. SARTORIUS & CO.'S
Artists' Oil Color Boxes.—Continued.

No. 5.

Japanese Tin, $13\frac{1}{2} \times 9\frac{1}{2} \times 3$ inches; Double Bottom. Empty, per doz., \$27.00
Containing Lid with Spring securely covering Tubes.

"Complete", containing thirty-one tubes A.S.&Co's Oil Colors, six Extra Fine Bristle Brushes, assorted, eight Red Sable Brushes, assorted, one Landseer's Brush, each, No. 2 and 4, one Fan-shape Brush, No. 3, two Special Shaped Bristle Brushes, one Bristle Varnish Brush, $1\frac{1}{2}$ in., one Round Badger Blender, No. 6, Steel Palette Knife, Palette Cup, Mahogany Palette, Crayon Holder, Charcoal, Academy Board, Handbook on Landscape Painting, Pale Drying Oil, Poppy Oil, and Turpentine in Tin Bottles. each, \$19.00



No. 6.

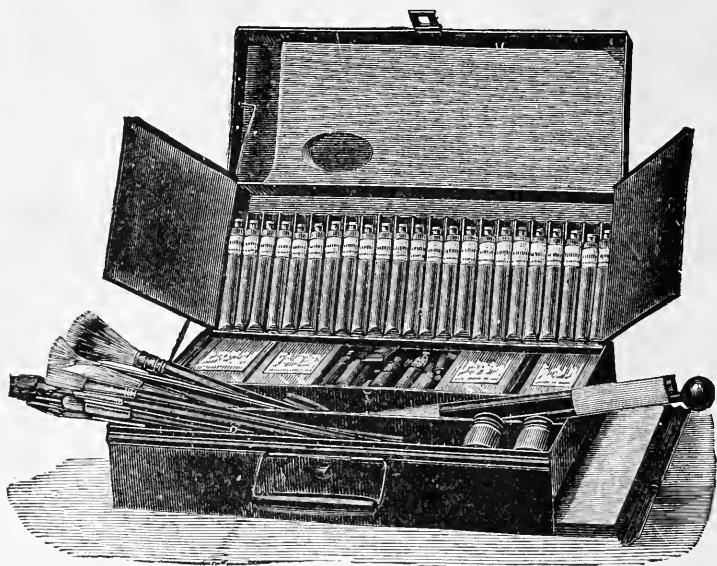
Japanese Tin, $13\frac{5}{8} \times 9\frac{7}{8} \times 3$ inches; Double Bottom . . . Empty, per dozen, \$30.00
Containing extra partitioned tray for tubes, with Lids with bolt securely covering contents.

"Complete", containing thirty-four tubes of A. S. & Co.'s Oil Colors, six extra fine Bristle Brushes, assorted, 1 inch Bristle Sky Brush, fan-shaped, Bristle Brush No. 3, one each Landseer's Bristle Brushes Nos. 2 and 4, one each Bright's Bristle Brushes Nos. 2 and 4, one each Red Sable Brushes Nos. 1, 3 and 7, one each Red Sable Riggers Nos. 1 and 3, one Badger Blender No. 6, Crayonholder, Charcoal, Palette Knife, Palette Cup with Cover, Mahogany Palette, Academy Board, Pale Drying Oil, Poppy Oil and Turpentine in Tin Bottles, one Handbook on Oil Painting. each, \$19.75

MATERIALS FOR OIL PAINTING.—Continued.

A. SARTORIUS & CO.'S

Artists' Oil Color Boxes.—Continued.



No. 7.

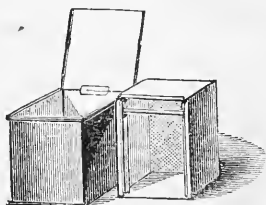
Japanned Tin, 14x10x3½ inches deep. Empty.....per dozen, \$45.00

Containing Three Slides for holding Sketches.

"Complete", containing thirty-seven tubes W. & N. Oil Colors, twelve Extra Fine Bristle Brushes, Assorted, 1-inch Bristle Sky Brush, Fan-shape Bristle, No. 4, Landseer's Bristle, No. 3 and 6, Bright's Bristle No. 3 and 6, two Special Bristle Brushes, one Red Sable Brush, No. 1, 3, 5, 7, 9, 12, one Red Sable Rigger, No. 1 and 4, Badger Blender, No. 10, Bristle Varnish Brush, 1½ in., Crayon Holder, Charcoal, Palette Knife, Double Palette Cup, with Cover, Polished Palette, Academy Board, Jointed Mahlstick, Pale Drying Oil, Poppy Oil, Turpentine, and Genuine Mastic Varnish in Tin Bottles, two Handbooks on Oil Painting.....each, \$18.00

JAPANNED TIN BRUSH WASHERS.

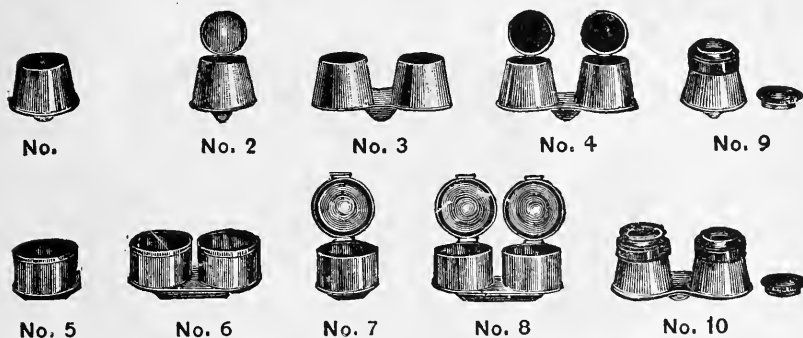
WITH STRAINERS.



Round.....per dozen, \$4.00
 Square, with hinged cover....." 7.20

MATERIALS FOR OIL PAINTING—Continued.

TIN PALETTE CUPS OR DIPPERS.



No 1, Single, without cover, per dozen.....	\$0.50
" 2, Single, with cover, per doz.	1.00
" 3, Double, without cover, per dozen.....	1.00
" 4, Double, with cover, per dozen.....	1.75
" 5, Single, without cover, per dozen.....	0.50

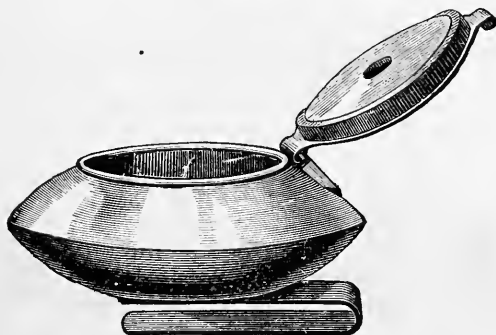
No. 6, Double, without cover, per dozen.....	\$1.00
" 7, Single, with cover per doz.	1.50
" 8, Double, with cover, per dozen.....	3.00
" 9, Single, with screw cover, per dozen.....	2.50
" 10, Double, with screw cover, per dozen.....	3.00

Cups Nos 7 and 8 have inside leather caps to prevent liquids spilling while carrying

JAPANNED PALETTE CUPS.

No. 1, Single, without cover, per dozen.....	\$0.60	No. 3, Double, without cover, per dozen.....	\$1.20
" 2, Single, with cover, per doz.	1.20	" 4, Double, with cover, p doz.	2.00

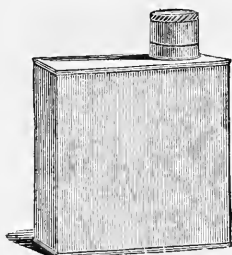
IMPROVED PALETTE CUPS.



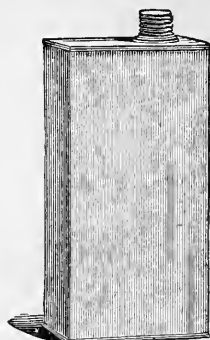
Per dozen.....\$1.80

MATERIALS FOR OIL PAINTING.—Continued.

TIN BOTTLES WITH METAL SCREW TOPS.



2 Ounce Square.



2 Ounce Oblong.

Two ounce, Square.....	per dozen, \$2.40
“ “ Oblong.....	“ 2.40
Four “ “	“ 3.60

Two Ounce Square Bottles are made to fit No. 3 Tin Oil color Boxes.

Two Ounce Oblong Bottles are made to fit No. 4, 5 and 6, Tin Oil Color Boxes.

Four Ounce Oblong Bottles are made to fit No. 7 Tin Oil Color Boxes.

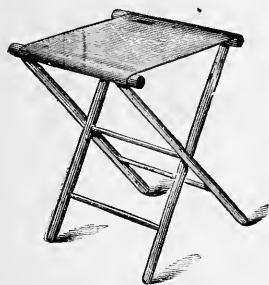
REST OR MAHL STICKS.



Plain White Wood, assorted 36, 42, 48 in. long....	per doz. \$1.40
“ Oiled Walnut, “ 36, 42, 48 “	“ 1.90
“ White Wood, two joints, 36 inches long....	“ 4.50
“ “ “ three “ 42 “ “	“ 6.00
Polished Rose Wood or Bamboo, two joints 36 in. long.....	“ 6.75
Polished Rose Wood or Bamboo, three joints, 42 inches long.....	“ 8.50

MATERIALS FOR OIL PAINTING—Continued.

Artists' Camp Chair and Stool.



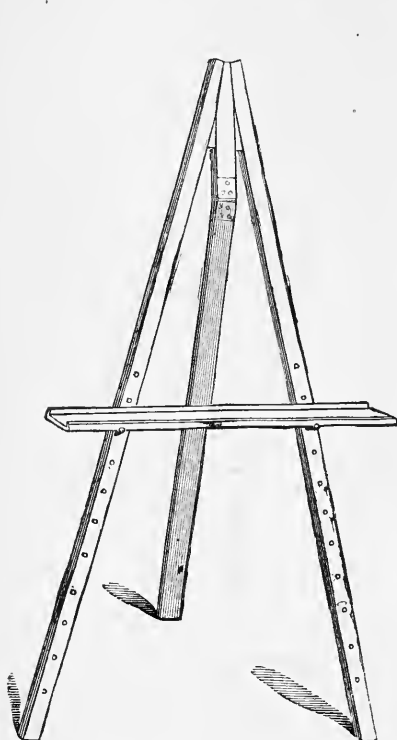
Folding Camp Chair, Canvas seat, well made, and extra strong.....	each, \$0.60
Folding Camp Stool, Canvas seat, well made, and extra strong.....	0.40

SKETCHING UMBRELLAS.

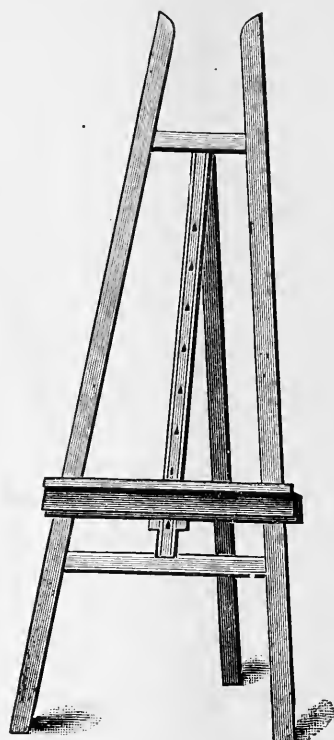
French, Grey Linen, Cane Frame, Jointed Stick.....	each, \$8.50
“ “ “ Steel “ “ “.....	“ 9.00
American “ “ “ “ “ “.....	“ 6.00

MATERIALS FOR OIL PAINTING.—Continued.

ARTISTS' EASELS.



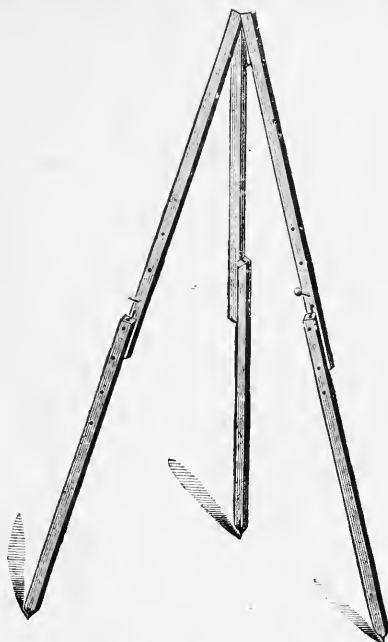
No. 1.



No. 3.

No. 1.	Pine, Closing, 6 feet high, with tray and pins, each	\$0.75
No. 2.	Pine, Folding, 6 feet high, same shape as No. 1, with one joint in the centre to fold 3 feet, joint fastening of Wrought Iron Butts and Hasps, hard wood spreads, two pins and movable tray	2.25
No. 3.	Studio Easel; Pine	5.00
	“ “ Walnut	7.00

MATERIALS FOR OIL PAINTING—Continued.

SKETCHING EASELS.**No. 4.**

- No. 4. Folding, hard wood, metal pins, when closed
23 inches long, when open 44 inches higheach, \$1.10
- No. 5. Folding, hard wood, sliding tray, when closed
28 inches long, when open 53 inches higheach, 2 25

ARTISTS' MANIKINS OR LAY FIGURES.

WITH IRON STANDS.

WHITE WOOD

6 inches higheach	\$1.75	21 inches higheach	\$4.00
9 " ""	2.00	24 " ""	6 00
12 " ""	2.25	30 " ""	9 60
15 " ""	2 50	36 " ""	15.00
18 " ""	3.25		

MATERIALS FOR SILICINE PAINTING.

SILICINE GLASS COLORS,

FOR ECCLESIASTICAL OR DOMESTIC GLASS DECORATION.

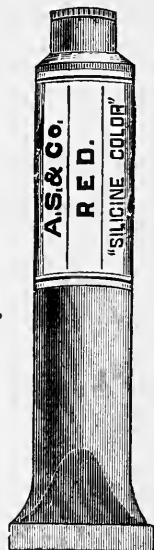
(Need no firing or burning in.)

Silicine Glass Painting

IN

Imitation of Stained Glass.

(Colors are not fired.)



FOR

Windows, Screens,

Magic & Lantern & Slides,

Hall Lamps &c.

Yellow,	}	2 inch tubes	.....	per tube	\$0.30
Rose,					
Red,	}		.....	per tube	\$0.50
Orange,					
Bright Brown,	}		.....	"	0.30
Dark Brown,					
Blue,	}	3 inch tubes	.....	"	0.30
Green,					
Shade Tint,	}		.....	"	0.30
Black,					
Silicine Medium			.....	per bottle	0.35
" Gloss			.....	"	0.50
Japanned box containing the above ten colors, Medium,					
Gloss, Palette, Brushes, Palette Knife and Scraper,					
fitted complete					
					\$6.00

For directions how to use Silicine Glass Colors see next page.

MATERIALS FOR SILICINE PAINTING.—Continued.

INSTRUCTIONS

FOR



Stained glass windows have become very fashionable of late to accord with the present style of house-furnishing. Stained glass windows, however, being very expensive, except in their very simplest forms, it is our aim to bring within the reach of all an equally effective but less costly substitute. The brilliancy and transparency of Silicine colors is effected by the use of the Silicine medium, with which the prepared colors are mixed. This Silicine produces a permanent, crystal-like substance, by which the work is, as it were, vitrified on.

The mode of procedure is very simple. A sheet of glass of the exact size of the window-pane or picture having been procured, is laid down on any picture, engraving or photo, to be copied; then with a fine pen or brush trace, in ink or paint, the exact outline of the whole subject or lines therein as a guide of further work. The markings being done, allow to dry, and then reverse the side of glass, painting on the other side, but on the inked side, if the ink marks be required to remain, or in the imitation of the "leadings," which are marked broadly, and painted over with Silicine paint. But if the ink tracing be only required as a guide, then paint on the reverse side, and when the picture is sufficiently advanced, wash off the ink used. Silicine gloss is used to wash over the work, and ensure extra preservation and beauty. Those who can paint in water colors will find it easy from beginning to end, as, allowing each stage to dry, Silicine will permit over-painting to any extent, and is executed just as a water color is done. When the work is finished the glass can be reversed and put into the window-sash or bars, taking care however, that the window-pane is scrupulously clean, and that little strips of wood or card, not to show, be put between the panes so as to keep them from touching

MATERIALS FOR TAPESTRY PAINTING.

LIQUID TAPESTRY COLORS.

FOR PAINTING ON CANVAS AND OTHER TEXTILES.

IN 2 OZ. BOTTLES.

Burnt Sienna	Indigo	Rose Madder
Cadmium Yellow	Italian Earth	Saturn Red
Carmine	Ivory Black	Sepia
Cassel Earth	Olive Green	Turquoise Blue
Chrome Yellow, Light	Payne's Grey	Ultramarine Blue
Cobalt Blue	Prussian Blue	Vandyke Brown
Crimson Lake	Prussian Green	Vegetable Green
Emeraude Green	Raw Sienna	Vermilion
Golden Yellow	Raw Umber	Violet Blue
Grass Green	Red Brown	Violet Purple

All Colors, except Carmine.....per dozen \$2.40

Carmine....." 4.80

See page 81 for **INDELIBLE PROCESS LIQUID** for painting on Tapestry Canvas with Artists' Oil Colors.

TAPESTRY CANVAS.

Per yard.

No. 15 Gobelins, fine, 83 inches wide.....	\$4.75
No. 15 " " 124 inches wide	7.25
No. 15 B " " unbleached, 83 inches wide.....	3.25
No. 15 B " " " 124 inches wide.....	4.75
No. 15 C " " wool, 83 inches wide	3.00
No. 20 " extra fine, 83 inches wide.....	6.00
No. 21 B " extra coarse, unbleached, 83 inches wide.....	3.25
No. 21 B " " " " 124 inches wide	4.75

BLACKMAN'S INDELIBLE PROCESS LIQUID.

*A New Medium used with
Artists' Oil Colors to Paint on Silk, Linen, Cotton, Bolting
Cloth, Tapestry Canvas and all Wash Fabrics.*

By using this medium alone with the Oil Colors an indelible color is obtained. Flowers and other designs can therefor be painted on napkins or other articles in daily use, and which need frequent washing. The painting is not affected by washing with soap, and the linen or cotton is as soft and pliable after decoration as before.

) **THE INDELIBLE PROCESS LIQUID** also prevents colors from spreading, and by using it in connection with Ivory Black very fine etching can be done

If Winsor & Newton's Oil Colors are thinned with this Liquid, excellent colors for **TAPESTRY PAINTING** are obtained.

Priceper dozen \$3.00

BOLTING CLOTH.

EXTRA FINE QUALITY, FOR PAINTING.

40 inches wideper yard \$3.00

CELLULOID.

IN SHEETS OF 20x50 INCHES.

OPAQUE, DULL BACK.

Thickness.		Per sheet.
No. 10.	Ivory.....	\$1.35
No. 15	".....	1 90
No. 20.	".....	2.65
No. 10.	Celeste.....	1.35
No. 10	Light Yellow.....	1.35
No. 10.	Orange Red.....	1.35
No. 10	Pink.....	1.35
No. 10	Turquoise.....	1.35

TRANSPARENT DULL BACK.

No. 10	Clouded Amber.....	1.35
No. 10.	Turtle Shell.....	1.35

TRANSPARENT, GLAZED ON BOTH SIDES.

No. 10	Blue.....	1.80
No. 10.	Colorless.....	1.80
No. 10.	Red.....	1.80

Materials for Chromo-Photography.

CONVEX GLASSES FOR CHROMO-PHOTOGRAPHY.

Card Size, Oval	$2\frac{5}{8} \times 3\frac{7}{8}$ inches	.....	per gross, \$3.00
" " Square	" "	.....	" 3.00
Half Size, Oval	$4\frac{1}{8} \times 5\frac{1}{2}$	"	" 6.00
" " Square	" "	.....	" 6.00
Imperial Size, Oval	$4\frac{1}{4} \times 6$	"	" 6.50
" " Square	" "	.....	" 6.50
Panel Size, Square	$3\frac{3}{4} \times 7\frac{1}{2}$	"	per dozen, 1.00
Full Size, Oval	$6\frac{1}{2} \times 8\frac{1}{2}$	"	" 1.75
" " Square	" "	.....	" 1.75
Grand Size, Oval	8×10	"	" 3.50
" " Square	" "	.....	" 3.50

LIQUIDS.

Adhesive Preparation, per dozen 1 oz. bottles	.....	\$1.50
" " " 2 "	.....	2.00
Transparency Liquid, " 1 "	.....	1.50
" " " 2 "	.....	2.00

Bone Tools for mounting	.....	per dozen, \$1.65
Rubber Rollers	.....	" 3.00

For A. Sartorius & Co.'s Liquid Water Colors see page 87.

For Indelible Process Liquid for mixing Oil Colors see page 81.

For Turpentine for cleaning brushes see page 63.

MATERIALS FOR WATER COLOR PAINTING.

WINSOR & NEWTON'S MOIST WATER COLORS,

IN PANS AND HALF PANS.

**Whole Pan.**

Antwerp Blue
Bistre
Blue Black
Brown Ochre
Brown Pink
Burnt Sienna
Burnt Umber
Charcoal Grey
Chinese White
Chrome, Lemon
Chrome, Yellow
Chrome, Deep
Chrome, Orange
Cologne Earth

Emerald Green
Gamboge
Hooker's Green 1
Hooker's Green 2
Indian Red
Indigo
Italian Pink
Ivory Black
Lamp Black
Light Red
Mauve
Naples Yellow
Neutral Tint
New Blue

Whole pans.....per dozen \$3.00
Half pans....." 1.65

Brown Madder
Carmine Lake
Cerulean Blue
Crimson Lake
Leitch's Blue

Mars Yellow
Neutral Orange
Orange Vermilion
Purple Lake
Roman Sepia

Olive Green
Payne's Grey
Prussian Blue
Prussian Green
Raw Sienna
Raw Umber
Roman Ochre
Sap Green
Terre Verte
Vandyke Brown
Venetian Red
Vermilion
Yellow Lake
Yellow Ochre

Rubens' Madder
Scarlet Lake
Scarlet Vermilion
Sepia
Warm Sepia

Whole pans.....per dozen \$6.00
Half pans....." 3.00

Cadmium Yellow, Pale
Cadmium Yellow
Cadmium Orange
Cobalt Blue
French Blue(French Ultramarine)

Indian Purple
Indian Yellow
Intense Blue
Lemon Yellow
Mars Orange

Oxide of Chromium
Pure Scarlet
Violet Carmine
Viridian (Veronese Green)

Whole pans.....per dozen \$7.50
Half pans....." 3.75

Aureolin
Aurora Yellow
Burnt Carmine
Carmine

Field's Orange Vermilion
Madder Carmine
Pink Madder
Primrose Aureolin

Purple Madder
Rose Madder
Yellow Carmine

Whole pans.....per dozen \$12.75
Half pans....." 6.38

Smalt

Ultramarine Ash

Whole pans.....per dozen \$18.00
Half pans....." 9.00

MATERIALS FOR WATER COLOR PAINTING—Continued.

WINSOR & NEWTON'S WATER COLORS.



IN CAKES.



Whole Cake.

Antwerp Blue
Bistre
Blue Black
British Ink
Bronze
Brown Ochre
Brown Pink
Burnt Sienna
Burnt Umber
Charcoal Grey
Chinese White
Chrome, Lemon
Chrome, Yellow
Chrome, Deep
Chrome, Orange
Cologne Earth

Constant White
Dragons Blood
Emerald Green
Flake White
Gamboge
Hooker's Green 1
Hooker's Green 2
Indian Red
Indigo
Italian Pink
Ivory Black
King's Yellow
Lamp Black
Light Red
Naples Yellow
Neutral Tint

Half Cake.

New Blue
Olive Green
Payne's Grey
Prussian Blue
Prussian Green
Raw Sienna
Raw Umber
Roman Ochre
Sap Green
Terre Verte
Vandyke Brown
Venetian Red
Vermilion
Yellow Lake
Yellow Ochre

Whole Cakes..... per dozen \$3.00
Half Cakes..... " 1.65

Black Lead
Brown Madder
Carmine Lake
Cerulean Blue
Crimson Lake

Mars Yellow
Neutral Orange
Orange Vermilion
Purple Lake
Roman Sepia

Rubens' Madder
Scarlet Lake
Scarlet Vermilion
Sepia
Warm Sepia

Whole Cakes..... per dozen \$6.00
Half Cakes..... " 3.00

Cadmium Yellow, Pale
Cadmium Yellow
Cadmium Orange
Cobalt Blue
French Blue(French Ultramarine)

Indian Purple
Indian Yellow
Intense Blue
Lemon Yellow
Mars Orange

Oxide of Chromium
Pure Scarlet
Violet Carmine
Viridian (Veronese Green)

Whole Cakes..... per dozen \$7.50
Half Cakes..... " 3.75

Aureolin
Aurora Yellow
Burnt Carmine
Carmine

Field's Orange Vermilion
Madder Carmine
Pink Madder
Primrose Aureolin

Purple Madder
Rose Madder
Yellow Carmine

Whole Cakes..... per dozen \$12.75
Half Cakes..... " 6.38

Smalt

Ultramarine Ash

Whole Cakes..... per dozen \$18.00
Half Cakes..... " 9.00

Genuine Ultramarine (in quarter cakes)..... per dozen \$24.00

MATERIALS FOR WATER COLOR PAINTING—Continued.

WINSOR & NEWTON'S MOIST WATER COLORS.

IN COLLAPSIBLE TUBES.



SIZE OF WHOLE TUBES.

Antwerp Blue
Bistre
Blue Black
Brown Ochre
Brown Pink
Burnt Sienna
Burnt Umber
Charcoal Grey
Chrome, Lemon
Chrome, Yellow
Chrome, Deep
Chrome, Orange
Cologne Earth
Emerald Green

Gamboge
Hooker's Green 1
Hooker's Green 2
Indian Red
Indigo
Italian Pink
Ivory Black
Lamp Black
Light Red
Mauve
Naples Yellow
Neutral Tint
New Blue
Olive Green



SIZE OF HALF TUBES.

Payne's Grey
Prussian Blue
Prussian Green
Raw Sienna
Raw Umber
Roman Ochre
Sap Green
Terre Verte
Vandyke Brown
Venetian Red
Vermilion
Yellow Lake
Yellow Ochre

Whole Tubes.....per dozen \$3.00
Half Tubes....." 1.65

Brown Madder
Cerulean Blue
Carmine Lake
Crimson Lake
Leitch's Blue (Cyanine Blue)

Mars Yellow
Neutral Orange
Orange Vermilion
Purple Lake
Roman Sepia

Rubens' Madder
Scarlet Lake
Scarlet Vermilion
Sepia
Warm Sepia

Whole Tubes.....per dozen \$6.00
Half Tubes....." 3.00

Cadmium Yellow, Pale
Cadmium Yellow
Cadmium Orange
Cobalt Blue

French Blue (French Ultramarine)
Indian Purple
Indian Yellow
Lemon Yellow

Mars Orange
Oxide of Chromium
Pure Scarlet
Viridian (Veronese Green)

Whole Tubes.....per dozen \$7.50
Half Tubes....." 3.75

Aureolin
Aurora Yellow
Burnt Carmine
Carmine

Field's Orange Vermilion
Madder Carmine
Pink Madder
Primrose Aureolin

Purple Madder
Rose Madder
Yellow Carmine

Whole Tubes.....per dozen \$12.75
Half Tubes....." 6.38

Small

Ultramarine Ash

Whole Tubes.....per dozen \$18.00
Half Tubes....." 9.00

CHINESE WHITE.

TUBES OF CHINESE WHITE ARE DOUBLE THE ORDINARY SIZE.

Large Tubes.....per dozen, \$3.75
Small Tubes....." 1.90

MATERIALS FOR WATER COLOR PAINTING—Continued.

A. SARTORIUS & CO.'S

LUSTROUS METALLIC AQUARELLE COLORS

FOR

Lustre Painting on Silk, Satin, Plush &c.,

AND FOR MAKING DESIGNS ON PAPER.



Original Size of Cake.

These Colors are put up in cakes, the same as ordinary Aquarelle Colors, and water is only used as medium. The same effects are produced as with Bronze Powders and Lustre Colors, but, as the medium is water, these colors will not stain if used on silk or other delicate materials, nor will they flow as easily as the Lustre Colors used with oil mediums. If a cake is dissolved in water, Gold Ink, Copper Ink, Silver Ink &c., is obtained.

Made in the following shades:

*Green Gold, Light Gold, Deep Gold, Copper, Fire,
Crimson, Blue, Green, Silver.*

Price, per cake.....15 cents.

Patent Blue, Patent Green, Patent Purple.

Price, per cake 25 cents.

COMPLETE OUTFIT.

Put up in boxes, containing nine cakes, two china saucers,
two brushes and pencil sticks.....per box \$1.50

MATERIALS FOR WATER COLOR PAINTING—Continued.

Artists' Prepared Canvas for Aquarelle Painting.

49 inches wide.....per Yard, \$2.00

A SARTORIUS & CO.'S
LIQUID WATER COLORS.

IN TWO OUNCE BOTTLES.

CARMINE
CHINESE BLACK
COBALT BLUE

GARDEN GREEN
OAKWOOD COLOR
ORANGE
YELLOW

PRUSSIAN BLUE
SCARLET
SEPIA

Per dozen.....\$3.00

BOURGEOIS' LIQUID INDIAN INK.

Small size.....per dozen, \$2.25
Large size.....4.50

HIGGINS' DRAWING INKS.

Black, General.....per dozen, \$3.75
Black, Water proof.....3.75

NEWMAN'S PREPARATION FOR SIZING.
FOR WATER COLOR AND PHOTOGRAPHIC PAINTING.

Two Ounce Bottles.....per dozen, \$7.50

MATERIALS FOR WATER COLOR PAINTING.—Cont'd.

WINSOR & NEWTON'S

WATER COLOR LIQUIDS AND MEDIUMS



Whole Size.



Half Size.



Whole Size.

Half Size.

		Whole Size.	Half Size.
Indian Ink.....	per dozen bottles,	\$3.75	\$1 90
Carmine.....	"	3 75	1 90
Sepia.....	"	3 75	1 90
Vermilion.....	"	3.75	1.90
Lamp Black.....	"	3 75	1.90
Prussian Blue.....	"	3.75	1.90
Prouts Brown.....	"	3.75	1.90
Asphaltum.....	"	3.75	1.90
Gold Ink.....	"	3.75	1.90
Silver Ink.....	"	3 75	1.90
Indelible Brown Ink.....	"	3.75	1.90
Oxgall, Colorless.....	"	3.75	1.90
Gum Water.....	"	3.75	1.90
Water Color Megilp.....	"	3.75	
Glass Medium No. 1.....	"	3.75	
" " No. 2.....	"	3.75	
Indelible Chinese Ink.....	"	3.75	
Prepared Oxgall.....	pots	3.75	1 90

WINSOR & NEWTON'S

PERMANENT CHINESE WHITE.

	Whole Size.	Half Size.
Per dozen bottles.....	\$3.75	1.90

MATERIALS FOR WATER COLOR PAINTING—Continued.

SUPERIOR QUALITY INDIA INK.



No. 1.

Ordinary, 80 plain pieces to the pound per pound, \$1 50



No. 2.

Lion Head, 80 gilt pieces to the pound per pound, \$5.00



No. 3.

Lion Head, 40 plain pieces to the pound per pound, \$5.00

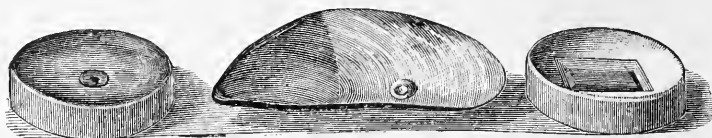


No. 4.

Super Super, 32 plain pieces to the pound per pound, \$10.00

MATERIALS FOR WATER COLOR PAINTING.—Cont'd.

GOLD & SILVER CUPS & SHELLS.



Pure Gold, in cups, $\frac{3}{4}$ inch diameter	per dozen, \$0.80
“ “ 1 “ “	1.20
“ “ $1\frac{1}{4}$ “ “	2.35
“ “ $1\frac{3}{4}$ “ “	6.00
Pure Silver, “ 1 “ “	0.65
“ “ $1\frac{1}{4}$ “ “	0.90
“ “ $1\frac{3}{4}$ “ “	2.25
Pure Gold in Mussel Shells	1.90
Pure Silver in Mussel Shells	0.65
Pure Gold Tablets, in cups	21.00
Pure Silver Tablets, in cups	2.80

WATER GLASSES, WITH TWO LIPS.

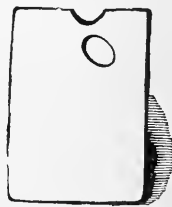


$2\frac{1}{2}$ inches diameter	per dozen \$1.80
3 “ “	3.00
$3\frac{1}{2}$ “ “	3.60

CHINA PALETTES.



OVAL.



OBLONG.

5 in., oval or oblong.	per dozen, \$2.50	8 in. oval or oblong.	per dozen, \$4.50
6 “ “ “ “	3.00	9 “ “ “ “	5.25
7 “ “ “ “	3.75	10 “ “ “ “	5.75

MATERIALS FOR WATER COLOR PAINTING.--Cont'd

CABINET NESTS.



6 CUPS WITH COVER.

No. 1.	$2\frac{3}{8}$	inches diameter.....	per dozen, \$5.40
No. 2.	$2\frac{3}{4}$	" "	" 6.60
No. 3.	$3\frac{3}{8}$	" "	" 8.50

TINTING SAUCERS.



1	in. diameter..	per doz. \$0.25	3	in. diameter..	per doz. \$0.45
$1\frac{1}{2}$	" " .. "	30	$3\frac{1}{2}$	" " .. "	50
2	" " .. "	35	4	" " .. "	55
$2\frac{1}{2}$	" " .. "	40			

PORCELAIN COLOR CUPS.

1	in. diameter..	per doz. \$0.15	$2\frac{1}{2}$	in. diameter..	per doz. \$0.70
$1\frac{1}{4}$	" " .. "	20	$2\frac{3}{4}$	" " .. "	85
$1\frac{1}{2}$	" " .. "	30	3	" " .. "	1.00
$1\frac{3}{4}$	" " .. "	40	$3\frac{1}{4}$	" " .. "	1.20
2	" " .. "	50	$3\frac{1}{2}$	" " .. "	1.50
$2\frac{1}{4}$	" " .. "	60			

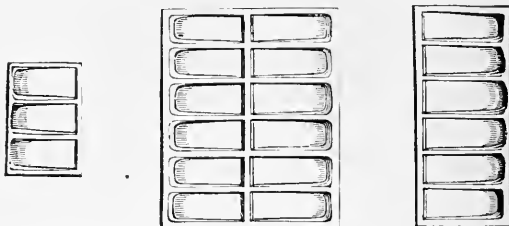
MATERIALS FOR WATER COLOR PAINTING—Continued

INDIA INK SLABS.



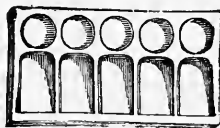
No. 1..1½x2¾ in...	per dozen, \$1.25	No. 3..2¾x4¾ in...	per dozen, \$3.00
" 2..2½x4 in...	" 2.00	" 4..3¼x5 in...	" 4.00

DIVIDED SLANTS.



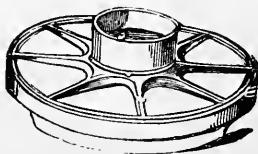
3 divisions.....	per dozen, \$1.75	8 divisions.....	per dozen, \$5.50
4 "	" 2.75	10 "	" 7.00
5 "	" 3.50	12 "	" 8.50
6 "	" 4.50		

BOX WELL SLANTS.



3 divisions.....	per dozen, \$2.25
5 "	" 6.50

ARCHITECT'S BASIN.



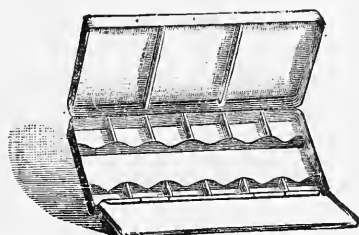
Round, 7½ inches diameter, with divided slantper dozen. \$13.00

MATERIALS FOR WATER COLOR PAINTING—Continued.

A. SARTORIUS & CO.'S

JAPANNED TIN BOXES

FOR MOIST WATER COLORS.



FOR WHOLE PANS.

6 Divisions, Empty	.....	per dozen, \$10.00
8	" "	" 11.00
10	" "	" 12.00
12	" "	" 13.50
16	" "	" 15.00
20	" "	" 17.00
24	" "	" 20.00

FOR HALF PANS.

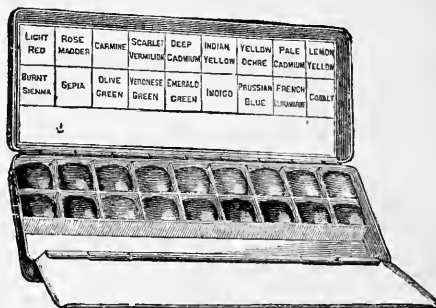
6 Divisions, Empty	.....	per dozen, \$ 9.00
8	" "	" 10.00
10	" "	" 11.00
12	" "	" 11.50
16	" "	" 13.00
18	" "	" 14.50
20	" "	" 15.25
24	" "	" 17.00

MATERIALS FOR WATER COLOR PAINTING.—Cont'd.

POCKET BOXES

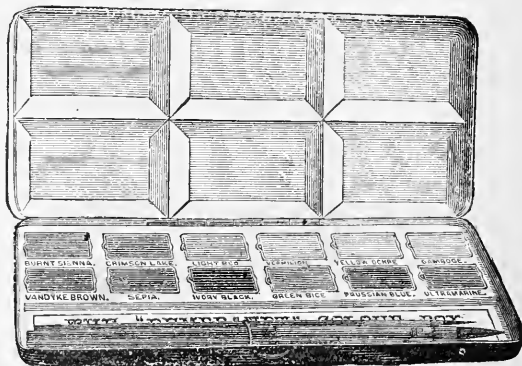
—OF—

Extra Fine Moist Water Colors.

**No. 4.**

No 1	Japanned Tin,	size $1\frac{3}{4} \times 2\frac{1}{4}$ inches,	containing 8 colors	each, \$1.50
" 2.	"	"	" $1\frac{3}{4} \times 2\frac{3}{4}$	" 10 " " " 1.90
" 3.	"	"	" $1\frac{7}{8} \times 3\frac{3}{4}$	" 14 " " " 2.60
" 4.	"	"	" 2 x 5	" 18 " " " 3.50
" 5	Nickel Plated.	"	" $1\frac{3}{4} \times 2\frac{1}{2}$	" 8 " " " 2.60
" 6	"	"	" $1\frac{7}{8} \times 3\frac{1}{4}$	" 12 " " " 3.15
" 7.	"	"	" $2\frac{1}{4} \times 4\frac{1}{2}$	" 16 " " " 4.00
" 8.	"	"	" $2\frac{1}{2} \times 4\frac{1}{2}$	" 24 " " " 6.00

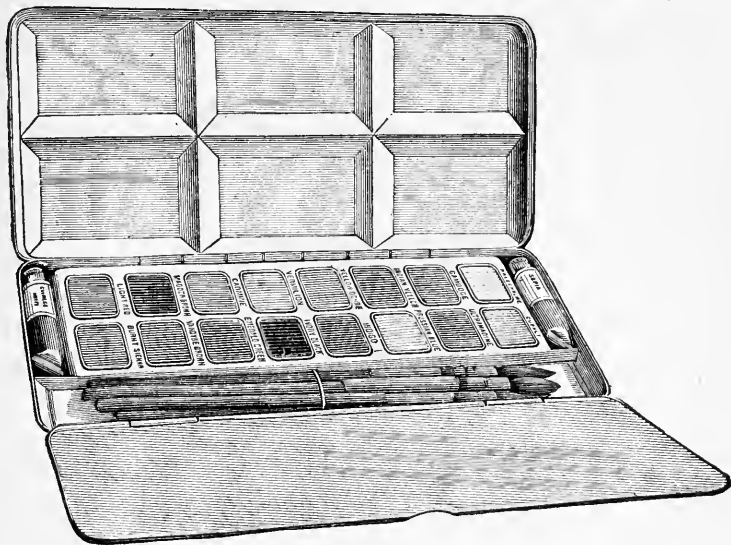
Japanned Tin Box of Moist Water Colors.

**"THE REMBRANDT"**

Containing 12 Colors, Brushes and Palette.....per dozen, \$5.00

MATERIALS FOR WATER COLOR PAINTING.—Continued.

Japanned Tin Box of Moist Water Colors.



"THE MURILLO"

Large size, containing 18 Colors	Brushes and Palette.....per doz	\$11 00
Small " " 14 " "	and Brushes	7.50

MAHOGANY SCHOOL OF ART.

LOCK AND KEY.



Containing 15 Whole Cakes, China Slant, Brushes, etc.....each \$2.25

MATERIALS FOR WATER COLOR PAINTING.—Continued.

EXTRAFINE

GERMAN BOXES ^O_F WATER COLORS.

No. 1.

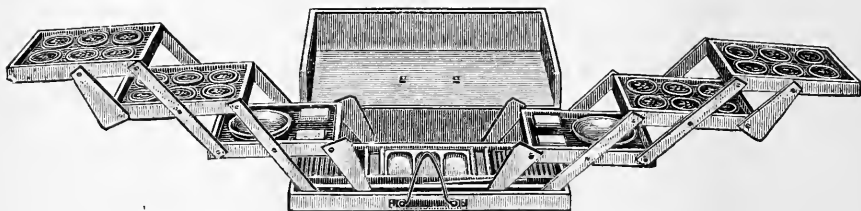
Polished Oak with lock and key, brass handle, Tray containing 18 Whole Cakes, Gold and Silver Bronze in cups, Boxwood Scale, Triangle, Easel, China Slant, Color Cups, Brushes, etc. each.....\$2.50

No. 2.

Extrafine Polished Oak, with lock and key, brass handle. Tray and Partitions containing 24 cakes, Gold and Silver Bronze in Cups, Triangle, Leadpencils, China Slant, Water Glasses, Brushes, etc., each.....\$4.00

No. 3.

Finest Polished Walnut, veneered with lock and key, heavy Brass Handle and Ornament, Tray and Partitions containing 16 Whole Cakes, 8 Tubes, Boxwood Scale, Triangle, Curve, Leadpencils, Water Glasses, Glass Cups, Brushes, Sketch Book, etc., each.....\$9.00



No. 4.

Fine Polished Ash, Steel Handle, Steel Fastener, with six mechanical trays of which three can be pulled up on each side when they will stand slanting one above the other, exposing all the contents, which are 24 Extrafine Colors in Cups, 4 Whole Pans, Large Cups of Gold and Silver Bronze, China Slant, Pastel Crayons, India Ink, Brushes, etc., each.....\$7.00

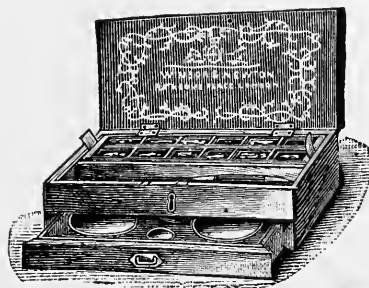
MATERIALS FOR WATER COLOR PAINTING.—Continued.

Winsor & Newton's Boxes of Water Colors.**MAHOGANY SLIDE TOP BOX.**

Half Cakes.					Whole Cakes.				
6 Colors, with Brushes...	each,	\$1.75			6 Colors, with Brushes...	each,	\$2.40		
12 " " " " " "		2.75			12 " " " " " "		4.80		
18 " " " " " "		4.00			18 " " " " " "		7.25		
24 " " " " " "		5.00			24 " " " " " "		9.00		

**MAHOGANY LOCK BOX.**

Half Cakes.					Whole Cakes.				
12 Colors, Brushes etc....	each,	\$3.75			12 Colors, Brushes, etc....	each,	\$5.75		
18 " " " " " "		5.00			18 " " " " " "		9.00		

**MAHOGANY LOCK AND DRAWER BOX.**

Half Cakes.					Whole Cakes.				
12 Colors, Brushes, etc....	each,	\$5.00			12 Colors, Brushes, etc....	each,	\$7.00		
18 " " " " " "		6.00			18 " " " " " "		9.75		

Materials for Crayon Drawing and Pastel Painting.

CRAYONS.



No. 1, Hard ; No. 2, Medium ; No. 3, Soft.

	Per gross.	Per dozen
Conté's Square Black, Nos. 1, 2, and 3.....	\$1.60	\$0.18
“ Round “ Nos. 1, 2, and 3.....	3.50	0.35
“ Square Red, Nos. 1, 2, and 3.....	1.60	0.18
“ “ White, Nos. 1, 2, and 3.....	1.60	0.18
“ Sauce, very soft and black, wrapped in foil	8.00	0.75
Girault's Velvet Sauce, wrapped in foil.....	3.75	0.40
Lemercier's Lithographic, Nos. 1, 2, and 3, in boxes of 12 Crayons.....	3.25	0.30
Black Board Crayons, White.....	0.20	0.05
“ “ “ assorted Colors.....	1.25	0.15
Perfection Sauce.....in bottles —	—	1.00

MATERIALS FOR CRAYON DRAWING AND PASTEL PAINTING—Continued.

RAPHAEL MENG'S DRESDEN PASTEL CRAYONS.



IN FLAT BLACK WOODEN BOXES.

Made according to the receipts of the celebrated Pastelpainter, Raphael Mengs. These Pastelcrayons are justly world renowned for excellence and durability, and the best proof how long these colors will withstand the ravages of time, is Picture No. 2256 in the Dresden Gallery, painted by Raphael Mengs over 100 years ago. These crayons are rolled by hand. Machine-made crayons are pressed in a moist state, and after they are dry they are not as compact and solid as hand-made crayons, nor will the colors hold as well on the paper. Mengs' Pastel Crayons are much larger than the other brands in the market.

No.	000		containing 20 Crayons, assorted colors.....	per box	\$1.00
No.	00	"	35 " "	"	1.75
No.	0	"	50 " "	"	2.50
No.	1	"	80 " "	"	4.00
No.	2	"	126 " "	"	6.00
No.	3	"	192 " (three trays) assorted colors.....	"	12.00

BACK • GROUND • PASTEL • CRAYONS.

FULLY $\frac{1}{8}$ INCH THICK.

In flat wooden Boxes, containing 20 Back ground Pastel Crayons, each shade consists of 5 graduated tints.

Shade No	43—Terre Verte.....	} per box \$1.20
" "	44—Burnt Umber.....	
" "	45—Capergreen.....	
" "	46—Caput Mortuum.....	
" "	47—Raw Umber.....	
" "	48—Greyblue.....	
" "	49—Greengrey.....	
" "	50—Blackish Greengrey.....	

MATERIALS FOR CRAYON DRAWING AND PASTEL PAINTING—Continued.

RAPHAEL MENGES' DRESDEN PASTEL CRAYONS (Continued.)

Separate Shades.

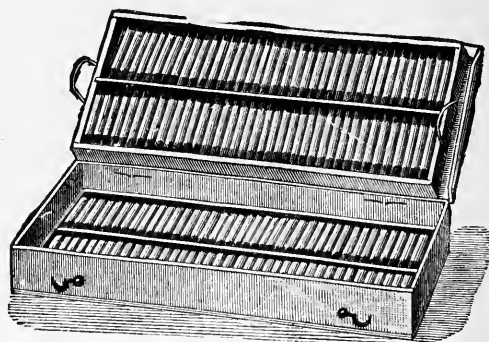
IN FLAT WOODEN BOXES, CONTAINING 20 PASTEL CRAYONS.

Each Shade consists of 10 Graduated Tints.

Shade No. 5.	English Red.....	
" " 7.	Burnt Gold Ochre.....	
" " 8.	Burnt Roman Ochre.....	
" " 9.	Light Red.....	
" " 10.	Burnt Umber.....	
" " 11.	Brown Grey.....	
" " 12.	Violet Grey.....	
" " 15.	Saturn Red.....	
" " 16.	Light Ochre and Vermilion.....	
" " 20.	Gold Ochre.....	
" " 23.	Caput Mortuum.....	
" " 24.	Green Grey.....	
" " 27.	Grey Blue.....	
" " 28a.	White (not graduated).....	} per box ..\$1.00
" " 28b.	White to Black.....	
" " 28c.	Black (not graduated).....	
" " 30.	Terre Verte.....	
" " 32.	Caper Green.....	
" " 33.	Raw Umber.....	
" " 34.	Blackish Green Grey.....	
" " 36.	Greenish Brown Grey.....	
" " 37.	Mineral Blue.....	
" " 38.	Cinnabar Green.....	
" " 39.	Reddish Grey.....	
" " 40.	Roman Ochre.....	
" " 41.	Olive Green.....	
" " 42.	Orange Ochre.....	
" " 4.	Madder Lake and English Red.....	} per box ..\$1.20
" " 6.	Madder Lake and Burnt Gold Ochre.....	
" " 35.	Carmine Lake.....	
" " 13.	Chinese Vermilion, dark.....	
" " 14.	Vermilion, Light.....	} per box ..\$1.40
" " 29.	Blue Green.....	
" " 31.	Yellow Green.....	
" " 18.	Cadmium, deep.....	} per box ..\$1.80
" " 19.	Cadmium, light.....	
" " 17.	King's Yellow.....	} per box ..\$2.25
" " 26.	Green Blue.....	
" " 21.	Blue Violet.....	} per box ..\$2.40
" " 22.	Red Violet.....	
" " 25.	Cobalt.....	
" " 3.	Madder Lake and Vermilion.....	per box \$2.50
" " 1.	Madder Lake.....	per box \$2.75
" " 2.	Carmine.....	per box \$3.00

MATERIALS FOR CRAYON DRAWING AND PASTEL PAINTING.—Continued

Extra Soft French Pastel Crayons.



IN FLAT WOOD BOXES. EACH CRAYON IN TISSUE PAPER.

No. 0	Double Size, two trays, three rows, containing 255 Crayons, assorted Colors.	per box, \$8.00
" 1	Double Size, two trays, two rows, containing 164 Crayons assorted colors	" 6.00
" 0	Double Size with Tray, 3 rows for Flowers and Landscapes	" 8.00
" 1	or Double Size with Tray, containing 164 Crayons, assorted colors	" 6.00
" 2	or Full Size, containing 138 Crayons, assorted colors	" 4.00
" 2½	or ¾ Size, containing 90 Crayons, assorted colors	" 3.25
" 3	" ½ " " 60 " " " "	" 2.25
" 4	" ¼ " Fine, " 56 " extra assorted colors	" 1.50
" 5	" ¼ " " " 44 " " " "	" 1.00
" 6	" ⅛ " " " 28 " " " "	" .60
" 6	" ⅛ " " " 28 " Black	" .60
" 6	" ⅛ " " " 28 " Blue, assorted shades	" .60
" 6	" ⅛ " " " 28 " Brown	" .60
" 6	" ⅛ " " " 28 " Carmine	" 3.00
" 6	" ⅛ " " " 28 " Flesh Tint	" .60
" 6	" ⅛ " " " 28 " Green	" .60
" 6	" ⅛ " " " 28 " Gray	" .60
" 6	" ⅛ " " " 28 " Lake	" .60
" 6	" ⅛ " " " 28 " Ochre	" .60
" 6	" ⅛ " " " 28 " Purple	" .80
" 6	" ⅛ " " " 28 " Red	" .75
" 6	" ⅛ " " " 28 " Rose	" .75
" 6	" ⅛ " " " 28 " Vermilion	" 1.00
" 6	" ⅛ " " " 28 " White	" .60
" 6	" ⅛ " " " 28 " Yellow	" .60

MATERIALS FOR CRAYON DRAWING AND PASTEL PAINTING—Continued.

HARD PASTEL CRAYONS.



SUPERIOR QUALITY.

Boxes of	12	assorted colors	.....	per dozen boxes,	\$3.20
"	18	"	"	"	4.50
"	24	"	"	"	6.00
"	30	"	"	"	7.25
"	36	"	"	"	9.00
"	48	"	"	"	12.00

ORDINARY QUALITY.

Boxes of	6	assorted colors	.....	per dozen boxes,	\$0.90
"	12	"	"	"	1.50
"	18	"	"	"	2.00
"	24	"	"	"	2.75
"	30	"	"	"	3.25
"	36	"	"	"	4.00
"	48	"	"	"	5.50

AMERICAN COLORED CRAYONS.

Boxes of	6	assorted colors	.....	per dozen boxes,	\$0.50
"	12	"	"	"	1.00
"	18	"	"	"	1.50
"	24	"	"	"	2.00

MATERIALS FOR CRAYON DRAWING AND PASTEL PAINTING—Continued.

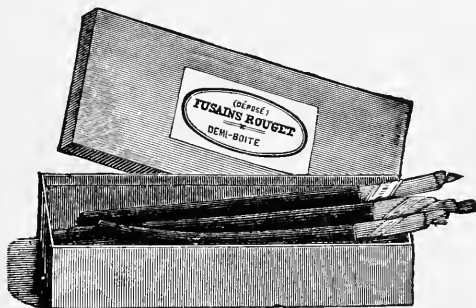
CONTÉ'S CRAYON PENCILS.



IN POLISHED CEDAR.

Conté's Black Crayon Pencils No 1 (hard).....	per gross,	\$6.50
" " " " 2 (medium).....		6.50
" " " " 0 extra fine (very hard).....		10.00
" " " " 1 " (hard).....		10.00
" " " " 2 " (medium).....		10.00
" " " " 3 " (soft).....		10.00
" " " " Velvet (Velours).....		13.80
" White ".....		6.50
" " " " extra large.....		10.00
" Lithographic " Nos 1, 2, or 3.....		10.80

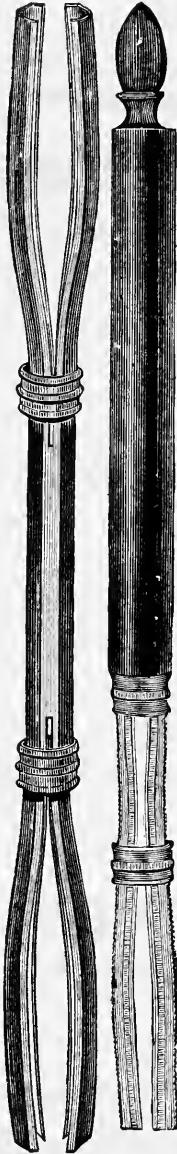
FRENCH CHARCOAL.



Ordinary, 50 sticks, $6\frac{3}{4} \times \frac{1}{4}$ inches, in paper bundle.....	per ounce,	\$0.14
" 50 " $6\frac{3}{4} \times \frac{1}{4}$ " " box.....	per box,	0.15
Conté's Bush, 50 sticks, $6 \times \frac{1}{4}$ inches, in paper box.....		0.30
" Venetian, 50 sticks, $6 \times \frac{1}{4}$ inches, in paper box.....		0.50
Rouget's, 25 sticks, $6 \times 5-16$ inches, in paper box, Nos. 1, 2, and 3.....		0.50
" 50 " " " " " " " 1, 2, and 3.....		1.00
" Fat, hard, for Sketching on Canvas for Oil Painting, in boxes of 25 sticks.....		0.60
" Venetian, hard, for Retouching, in boxes of 30 sticks.....		0.50
Extra, 50 sticks, $8 \times \frac{3}{8}$ inches, in paper box.....		0.35
Extra, 50 sticks, $8\frac{1}{2} \times \frac{1}{2}$ inches, in paper box.....		0.50
Powdered Charcoal	per vial,	0.10

MATERIALS FOR CRAYON DRAWING AND PASTEL
PAINTING.—Continued.

CRAYON HOLDERS.



Brass, 4 inches.....	per dozen, \$0.45	White Metal, 4 inches.....	per dozen, \$0.60
" 5 "	50	" 5 "	.65
" 6 "	.55	" 6 "	.70
" Ebony Handle .....	.75	" Ebony Handle.....	.90
" Ivory Handle.....	1.25	" Ivory Handle.....	1.50

CONTE'S AUTOMATIC CRAYON HOLDER.

With hollow Cedar Centre.

Per dozen	\$2.40
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THE INDISPENSABLE CRAYON HOLDER.

*A very strong and elegant Crayonholder. Hard Wood Centre, Nickel-plated Holders on both ends,
one containing black Crayon, the other a Paper Stomp.*

Per dozen.....	\$9.00
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MATERIALS FOR CRAYON DRAWING AND PASTEL PAINTING—Continued.

ATOMIZERS.

FOR SPRAYING FIXATIF ON CRAYON AND CHARCOAL DRAWINGS.



Japanned Tin	per dozen,	\$1.50
Nickel Plated	"	2.25
Glass, Brass bound, Small Size	"	2.50
" " " Large "	"	3.50
" " " Small " folding	"	3.00

FIXATIF FOR FIXING CRAYONS.

A. S. & Co.'s 2 oz. bottles	per dozen,	\$2.40
Rouget's, 2 oz. bottles	"	6.50
" complete sets	per set,	2.75
Soehnée's Composition, 1 oz. bottles	per dozen,	2.75

PASTELLINE.

A NEW AND EXCELLENT FLUID FOR FIXING PASTELS

Per dozen bottles \$6.00

CHAMOIS PALETTES.

$4\frac{1}{2} \times 6\frac{1}{2}$ inches	per dozen,	\$2.75
$4\frac{1}{2} \times 6\frac{1}{2}$ " folding	"	5.00

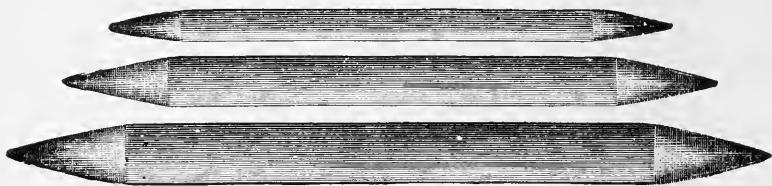
SAND-PAPER BLOCKS.

MADE OF FINE SAND-PAPER, FOR SHARPENING LEAD-PENCILS AND CRAYONS.

$1\frac{1}{2} \times \frac{3}{4}$ inches	per dozen,	\$1.20
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MATERIALS FOR CRAYON DRAWING AND PASTEL PAINTING—Continued.

FRENCH STOMPS.



YELLOW LEATHER STOMPS.

WHITE KID STOMPS.

CORK STOMPS.

No. 1	per gross, \$6.60	No. 5	per gross, \$13.20
" 2	" 7.40	" 6	" 16.00
" 3	" 8.80	" 7	" 18.00
" 4	" 10.45	" 8	" 21.00
Assorted, 1 to 8.....	" 11.00		

GRAY PAPER STOMPS.

No. 1	per gross, \$1.30	No. 5	per gross, \$2.60
" 2	" 1.50	" 6	" 3.00
" 3	" 1.75	" 7	" 3.50
" 4	" 2.20	" 8	" 4.00
Assorted, 1 to 8.....	" 2.40		

VARIEGATED PAPER STOMPS.

No. 1	per gross, \$2.50	No. 5	per gross, \$4.50
" 2	" 2.75	" 6	" 5.25
" 3	" 3.35	" 7	" 6.00
" 4	" 4.00	" 8	" 7.20
Assorted, 1 to 8.....	" 4.50		

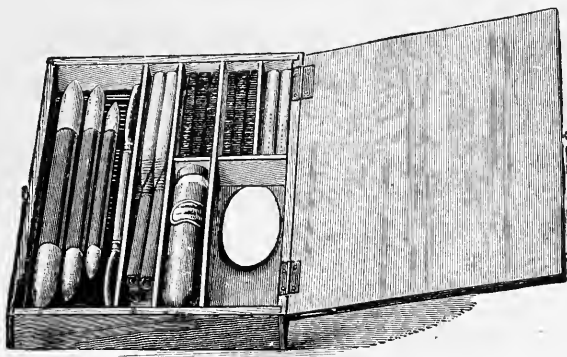
TORTILLONS.

SMALL STOMPS, POINTED AT ONE END.

Gray Paper.....	per gross, \$0.50
White "	" 0.45

MATERIALS FOR CRAYON DRAWING AND PASTEL PAINTING—Continued.

PALETTE CRAYON BOX.



The Lid of this Box is covered inside with Wash Leather, which forms a Stumping Palette, and the thumb-hole is arranged to allow of the Box being held on the hand as easily as an ordinary palette.

The size of Box when closed is $6\frac{3}{4} \times 5\frac{1}{4}$ inches, and the weight about 8 ounces. The Box contains Square Black Crayons, White Crayons, Velvet Sauce Crayons, Leather and Paper Stumps, Tortillons, and Crayonholder.

Complete.....each, \$1.25

SUPERIOR PASTEL CANVAS.

39 inches wide, extra fine velvet-like surface.....per yard, \$2.00

FRENCH PASTEL PAPER.

Royal,	19x25 inches.....	per quire, \$5.00
Super Royal,	22x28 ".....	" 6.00
Grand Aigle,	26x40.....	" 14.00

FRENCH PASTEL BOARDS.

No. 6..	$12\frac{1}{2} \times 16$ inches.....	per dozen, \$4.50
" 8..	15 x18 ".....	" 5.00
" 10..	18 x22 ".....	" 6.00
" 12..	20 x24 ".....	" 7.00
" 15..	21 x26 ".....	" 7.50
" 20..	24 x29 ".....	" 9.00

MONO-CHROMATIC BOARDS.

French White, 22x28 inches.....per dozen, \$3.75

MATERIALS FOR DRAWING.

Whatman's Drawing Paper.

EXPLANATION OF SURFACES.

N. "Not," or ordinary surface, having a slight grain. H.P. "Hot pressed," or perfectly smooth surface. R. "Rough," or very coarse surface, of large open grain.

Cap,	13	x17 inches,	N.	.....	per quire,	\$0.75
Demy,	15½	x20	"	N. and H. P.	.....	1.00
Medium,	17½	x22	"	N. and H. P.	.....	1.65
Royal,	19½	x24	"	N. and H. P.	.....	2.00
Super Royal,	19	x27	"	N. and H. P.	.....	2.50
Imperial,	22	x30	"	N., H. P., and R.	.....	3.00
Double Elephant,	27	x40	"	N., H. P., and R.	.....	6.00
Imperial, 140 lbs. to ream,	22	x30	"	N., H. P., and R.	.....	8.00

French White Drawing Paper.

Royal	19x24 inches.	.....	per quire,	\$1.10
Imperial	22x28	"	.....	1.75
Colombier	24x34	"	.....	2.25
Grand Aigle, 26x40	"	.....	.....	3.50

German White Drawing Paper.

EXTRA FINE.

Cap,	17x14 inches.	.....	per quire,	\$0.30
Demy,	15x20	"	.....	0.45
Medium,	17x22	"	.....	0.60
Royal,	19x25	"	.....	0.80
Super Royal,	19x27	"	.....	0.90
Imperial,	22x30	"	.....	1.15
Double Elephant, 26x40	"	.....	.....	2.30

Harding's Drawing Paper.

FOR WATER COLORS.

Imperial, 30x22 inches	.....	per quire,	\$3.00
" 30x22	" Double Thick.	.....	6.00

TORCHON PAPER.

ROUGH. FOR WATER COLORS.

Royal,	19x25 inches	.....	per quire,	\$2.25
Super Royal, 21x29	"	.....	.....	2.75

A. Sartorius & Co.'s Water Color Tablets.

EXTRA HEAVY, FACED WITH WHATMAN'S ROUGH PAPER.

Size	5x7	7x10	11x14	14x20
Each	\$0.12	.18	.30	.60

MATERIALS FOR DRAWING.—Continued.**French Tinted Crayon Paper.**

Royal,	19x25 inches	.....per quire,	\$1.10
Super Royal,	22x28 “	..... “	1.50

English Tinted Crayon Paper.

Royal,	19x25 inches	.....per quire,	\$1.50
Imperial,	21x30 “	..... “	2.50
Double Elephant,	26x40 “ “	4.50

HAND MADE.

Imperial,	21x30 inchesper quire,	\$4.80
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French Charcoal Paper.**EXTRAFINE QUALITY.**

Royal,	19x25 inches,	White and Assorted Tintsper quire,	\$0.60
“	19x25 “	Lalanne, White and Assorted Tints	..... “	1.00
“	19x25 “	Michallet “ “ “ “	..... “	0.90
“	19x25 “	Allonge “ “ “ “	..... “	1.75

STEINBACH'S PAPER.**FOR CRAYON PAINTING AND SOLAR PRINTING.**

54 inches wide, thin, in 10, 25, 50 and 100 yard	Rolls	.....per yard,	\$0.34
54 “ “ thick, “ “ “ “ “ “	..... “	“	.50

WHITE DRAWING PAPER.**IN ROLLS**

Fine German, 36 inches wide, 10 yards in roll	.....per roll,	\$1.50
“ “ 36 “ “ in rolls of 25 to 50 pounds	.....per pound,	.35
Egg Shell Surface, 56 inches wide, 10 yards in roll	.....per roll	4.80

Extrafine White Drawing Paper. Mounted on Muslin.**IN ROLLS OF TEN YARDS.**

36 inches wide	.....per roll,	\$9.00
42 “ “	..... “	10.00
54 “ “	..... “	12.00

MATERIALS FOR DRAWING—Continued.

TINTED DRAWING PAPER.

IN ROLLS OF TEN YARDS.

			Per Roll.
Brown, for Detail Drawing, Stencilling &c., 36 inches wide,			\$0.90
“	“	“	“
“	“	40	1.00
“	“	54	1.50
Pearl Gray, 58 inches wide.....			4.25

FRENCH TRACING PAPER.

VEGETABLE, EXTRA QUALITY.

Cap.....	per quire,	\$0.75
Royal.....	“	2.00
Super Royal.....	“	2.50
Grand Aigle.....	“	9.00
43 inches wide, in rolls of 20 yards.....	per roll,	2.75

TRACING CLOTH.

IN ROLLS OF 24 YARDS, DULL BACK.

30 inches wide.....	per roll,	\$6.90
36 “ “	“	7.60
42 “ “	“	10.50
30 “ “ Imperial	“	8.00
36 “ “ “	“	8.85
42 “ “ “	“	12.25

FRENCH GELATINE PAPER.

13x19 inches, Medium.....	per dozen,	\$2.75
13x19 “ Thick	“	3.75
19x25 “ Medium.....	“	5.50
19x25 “ Thick	“	7.50

TRANSFER PAPER.

Black, Blue, Green, Purple, Red, White, Yellow, 11x18 inches,
per dozen.....\$0.30.

MATERIALS FOR DRAWING—Continued.

FRENCH WHITE BRISTOL BOARDS.

			2 ply.	3 ply.	4 ply.
Cap,	12½x16½ inches.....	per dozen,	\$0.50	\$0.65	\$0.85
Demy,	15½x19½ "	"	0.85	1.10	1.45
Medium,	17 x21 "	"	1.10	1.45	1.70
Royal,	19 x24½ "	"	1.30	1.70	2.15
Super Royal,	21 x28 "	"	1.50	2.00	2.65
Colombier,	24 x34 "	"		4.70	

FRENCH TINTED BRISTOL BOARDS.

Royal	2 ply.....	per dozen,	\$1.20
Super Royal,	3 "	"	2.00
Colombier,	3 "	"	4.00
Grand Aigle,	3 "	"	6.60

REYNOLDS' WHITE BRISTOL BOARDS.

			2 ply.	3 ply.	4 ply.
Cap,	12½x15¼ inches.....	per dozen,	\$0.75	\$1.25	\$1.50
Demy,	14½x18¼ "	"	1.25	1.75	2.35
Medium,	16½x20¾ "	"	1.50	2.45	3.00
Royal,	18¼x22¾ "	"	1.80	3.25	4.25

PORTFOLIOS.

Strong Cloth Back and Heavy Paper Covers.

11x16 inches.....	per dozen, \$6.00	20x26 inches.....	per dozen, \$10.50
17x22 "	9.00	23x31 "	17.00

LEATHER BACKS AND CORNERS, CLOTH SIDES,
AND THREE INSIDE FLAPS.

11x16 inches.....	per dozen, \$12.00	20x26 inches.....	per dozen, \$25.00
17x22 "	20.00	23x31 "	36.00

MATERIALS FOR DRAWING—Continued.

A. SARTORIUS & CO.'S SKETCH BLOCKS.

These Blocks consist of sheets of paper, compressed so as to form an apparently solid block, but each sheet may be separated by passing a knife under its edge.

FRENCH WHITE PAPER.

FOR PENCIL OR CRAYON.

	Plain.	Bound.		Plain.	Bound.
3½x 5½ inches, per doz.,	\$2.25	\$5.50	9x12 inches, per doz.,	\$6.00	\$16.00
4 x 6½ " " "	2.40	7.00	10x14 " "	7.50	18.00
5 x 7 " " "	2.65	7.75	14x20 " "	13.00	27.00
7 x10 " " "	4.30	12.00			

FRENCH TINTED PAPER.

FOR PENCIL OR CRAYON.

	Plain.	Bound.		Plain.	Bound.
3½x 5½ inches, per doz.,	\$2.75	\$6.60	9x12 inches, per doz.,	\$8.40	\$17.00
4 x 6½ " " "	3.25	7.50	10x14 " "	10.20	21.00
5 x 7 " " "	3.50	8.40	14x20 " "	18.00	37.00
7 x10 " " "	5.50	13.50			

WHATMAN'S PAPER

FOR WATER COLORS.

	Plain.	Bound.
3½x 5½ inches, per doz.,	\$3.60	\$7.20
4½x 6½ " " "	4.50	8.40
5 x 7 " " "	5.00	10.00
7 x10 " " "	9.00	16.00
9 x12 " " "	12.00	22.00
10 x14 " " "	16.80	27.00
14 x20 " " "	32.00	48.00

MADE OF EXTRA HEAVY PAPER
FOR WATER COLORS.

	Plain.	Bound.
5x 7 inches, per doz.,	\$8.00	\$13.00
7x10 " " "	15.00	24.00
9x12 " " "	24.00	34.00
10x14 " " "	30.00	42.00
14x20 " " "	57.00	72.00

MATERIALS FOR DRAWING—Continued.

A. Sartorius & Co.'s Sketch Blocks.—Continued

ENGLISH TINTED PAPER.

For Pencil, Crayon, or Water Colors.

	Plain.	Bound.		Plain.	Bound.
5 x 7 inches..per dozen,	\$4.50	\$9.00	10x14 inches, per dozen,	\$15.00	\$36.00
7 x 10 " .. "	7.50	16.00	14x20 " .. "	27.00	44.00
9 x 12 " .. "	12.00	21.00			

FRENCH CHARCOAL PAPER.

For Charcoal or Crayon.

	Plain.	Bound.		Plain.	Bound.
5 x 7 inches..per dozen,	\$3.50	\$8.00	10x14 inches, per dozen,	\$8.75	\$20.00
7 x 10 " .. "	4.75	12.00	2x18 " .. "	12.00	26.00
9 x 12 " .. "	6.00	15.50			

TORCHON PAPER.

For Water Colors.

	Plain.	Bound.		Plain.	Bound.
5 x 7 inches..per dozen,	\$6.00	\$8.75	10x14 inches, per dozen	\$21.00	\$27.00
7 x 10 " .. "	12.00	18.00	14x20 " .. "	36.00	48.00
9 x 12 " .. "	18.00	24.00			

HARDING'S PAPER.

Extra Heavy, for Water Colors.

	Plain.	Bound.		Plain.	Bound.
5 x 7 inches..per dozen,	\$7.50	\$12.00	10x14 inches, per dozen,	\$27.00	\$36.00
7 x 10 " .. "	13.00	20.00	14x20 " .. "	54.00	65.00

Sketch Blocks can be bound in any style to order.

MATERIALS FOR DRAWING -Continued.

A. SARTORIUS & CO.'S SKETCH BOOKS.

FRENCH WHITE PAPER.

Cloth Bound.

3½x5½ inches.....per dozen,	\$2.85	7x10 inches.....per dozen,	\$6.75
4 x6½ " " " " " "	3.50	9x12 " " " " " "	8.75
5 x7 " " " " " "	4.50	10x14 " " " " " "	11.50
6½x8½ " " " " " "	5.75		

FRENCH TINTED PAPER.

Cloth Bound.

3½x5½ inches.....per dozen,	\$3.75	7x10 inches.....per dozen,	\$8.50
4 x6½ " " " " " "	4.20	9x12 " " " " " "	10.50
5 x7 " " " " " "	5.10	10x14 " " " " " "	12.00
6½x8½ " " " " " "	7.00		

WHATMAN'S PAPER.

For Water Colors.

3½x5½ inches.....per dozen,	\$4.75	7x10 inches.....per dozen,	\$11.00
4 x6½ " " " " " "	5.75	9x12 " " " " " "	16.00
5 x7 " " " " " "	7.00	10x14 " " " " " "	19.80
6½x8½ " " " " " "	9.00		

ENGLISH TINTED PAPER.

For Pencil, Crayon, or Water Color.

3½x5½ inches.....per dozen,	\$3.75	7x10 inches.....per dozen,	\$10.00
4 x6½ " " " " " "	5.00	9x12 " " " " " "	14.00
5 x7 " " " " " "	6.00	10x14 " " " " " "	18.00
6½x8½ " " " " " "	8.00		

FRENCH WHITE PAPER.

Flexible Morocco Covers, round Corners.

3¼x6½ inches.....per dozen,	\$6.00
4 x7 " " " " " "	7.00
4¾x8 " " " " " "	8.40

FRENCH TINTED PAPER.

Flexible Morocco Covers, round Corners.

3¼x6½ inches.....per dozen,	\$6.00
4 x7 " " " " " "	7.00
4¾x8 " " " " " "	8.40

MATERIALS FOR DRAWING.—Continued.

A. W. FABER'S LEAD PENCILS.**HEXAGON SIBERIAN POLYGRADES.**

H, 2H, 3H, 4H, 6H, F, HB, B, 2B.....	per gross, \$15.00
3B, 4B.....	18.00
6B.....	21.00

ENGLISH NATURAL SILVER POLYGRADES.

H, 2H, 3H, 4H, F, HB, B, 2B, 3B, 4B.....	per gross, \$7.20
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HEXAGON GILT PENCILS.

Nos. 1, 2, 3, 4, and 5.....	per gross, \$9.90
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ROUND GILT PENCILS.

Nos. 1, 2, 3, and 4.....	per gross, \$7.20
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TUBULAR PENCILS, WITH MOVABLE LEADS.

Siberian polygrades, 6H to 2B.....	per dozen, \$3.00
“ “ 3B, 4B.....	3.40
“ “ 6B.....	3.75
Hexagon, gilt, Nos. 1 to 5.....	2.10
“ “ Medium.....	1.80
“ “ Small.....	1.50

LEADS FOR FABER'S TUBULAR PENCILS.

Siberian, 6H to 2B, 6 leads in box.....	per dozen boxes, \$7.50
“ 3B, 4B, “ “.....	8.25
“ 6B, “ “.....	9.75
For Hexagon, Nos. 1 to 5, 6 leads in box.....	3.90

FOR MATHEMATICAL INSTRUMENTS.

Hexagon, No. 4.....	per gross, \$9.00
Round, gilt, No. 4.....	6.00

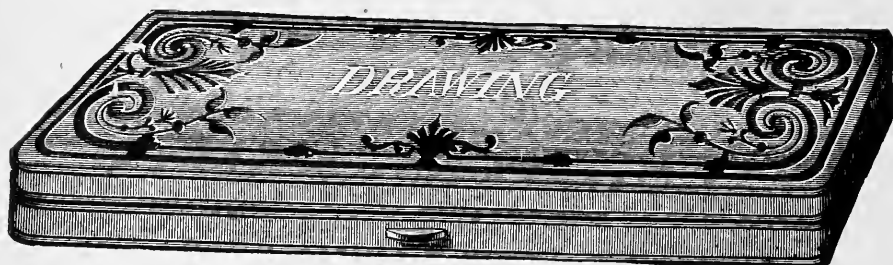
COLORED PENCILS.

Blue, large extra.....	per gross, \$12.00
Blue and Red, large extra.....	16.50
Carmin, large extra.....	13.50

MATERIALS FOR DRAWING—Continued.

A. W. FABER'S

LEAD PENCILS IN BOXES.



SIBERIAN POLYGRADES.

5 in a box.....	per dozen boxes, \$12.00
7 "	" " 15.00
10 "	" " 21.00
5 " with knife and rubber	" " 15.00

ENGLISH NATURAL SILVER POLYGRADES.

5 in a box.....	per dozen boxes, \$6.75
7 "	" " 8.15
10 "	" " 9.75
5 " with knife and rubber.....	" " 12.35

A. W. FABER'S

BLACK ARTISTS' RUBBER.

8, 20, 40 and 60 pieces to the pound.....	per pound, \$3.00
Pure Virgin, assorted sizes.....	" 3.00

A. W. FABER'S

WHITE ARTIST'S RUBBER.



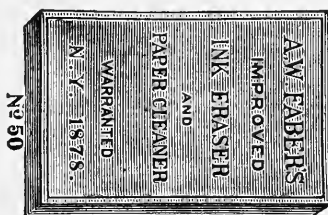
Nº80

4, 8, 12, 20, 40 and 60 pieces to the pound.....	per pound, \$1.50
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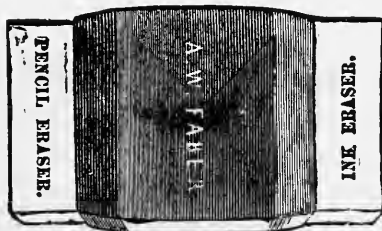
MATERIALS FOR DRAWING —Continued.

✦ **SPONGE RUBBER.** ✦**FOR PAPER AND GLOVE CLEANING.**

Size 2x3x1 inches	per dozen, \$6.40
“ 3x4x1 “	“ 12.00
“ 4x6x1 “	“ 24.00
Glove Cleaners, 1 $\frac{1}{4}$ x2 $\frac{3}{8}$ inches.....	“ 4.00

INK ERASERS.**IN BOXES OF 25 OR 50 PIECES.**

A. W. Faber's, small	per 100, \$4.20
A. W. Faber's, large	“ 7.50
Green's	“ 5.00
Congress	“ 3.00

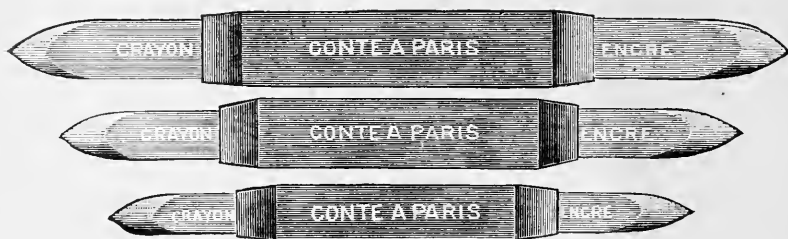
Ink and Pencil Erasers, in Wood.

A. W. Faber's, small, in boxes of one dozen	per box, \$1.50
A. W. Faber's, large, “ “	“ 2.50

MATERIALS FOR DRAWING.—Continued.

Conte's Rubber Stomps.

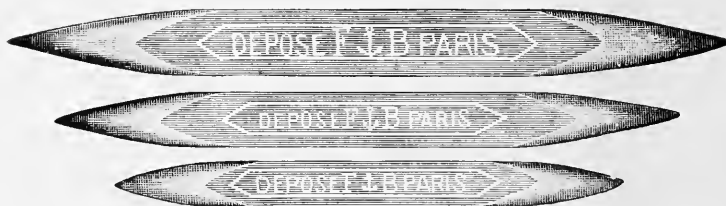
FOR INK AND PENCIL ERASING.



POLISHED WOOD CENTRE.

No. 1.. Small	per dozen, \$1.25
" 2.. Medium	" 2.15
" 3.. Large	" 3.40

RUBBER STOMPS.



No. 1.. Nigrivorine, large	per dozen, \$0.90
" 2.. " medium	" .70
" 3.. " small	" .50

PENCIL SHARPENER.

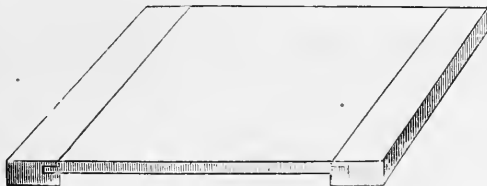


Long Bevel	per dozen, \$1.25
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MOUTH GLUE.

Thin, very fine	per pound, \$0.75
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MATERIALS FOR DRAWING.—Continued.

DRAWING BOARDS.

MADE OF THOROUGHLY KILN-DRIED LUMBER, WITH HARD WOOD
OR PINE CLEATS.

FOR SCHOOLS.

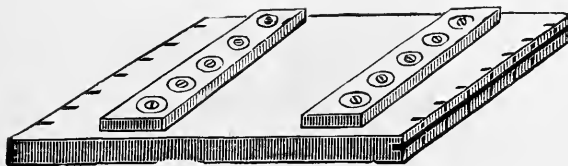
12x16 inches.....each,	\$0.70	20x25 inches.....each,	\$1.50
14x18 " " "	0.82	22x31 " " "	1.75
16x20 " " "	1.05	25x34 " " "	2.10
18x22 " " "	1.17	27x41 " " "	3.35



PINE WOOD, HARD WOOD CLAMPS.

FOR FREE HAND DRAWING.

12x17 inches.....each,	\$1.25	20x26 inches.....each,	\$2.90
16x21 " " "	1.50	23x31 " " "	3.00
18x24 " " "	1.75	27x34 " " "	4.50

**FOR LINEAL DRAWING.**

16x21 inches.....each,	\$2.50	27x34 inches.....each,	\$5.50
20x26 " " "	3.00	31x42 " " "	6.60
23x31 " " "	4.00	33x55 " " "	8.50

MATERIALS FOR DRAWING—Continued.

STRAIGHT EDGES.

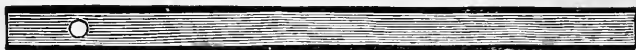
CHERRY OR MAPLE.



BEVELLED EDGE, EXTRA THICK.

15 inches.....per dozen, \$2.00	42 inches ... ..per dozen, \$5.00
18 " " 2.50	48 " " 6.00
21 " " 3.00	54 " " 7.00
24 " " 3.50	60 " " 8.00
30 " " 4.00	72 " " 10.00
36 " " 4.50	

Mahogany, Ebony Lined, Shellac Finish.



BEVELLED EDGE, EXTRA THICK.

15 inches.....per dozen, \$3.50	36 inches.....per dozen, \$8.50
18 " " 4.00	42 " " 11.00
21 " " 4.75	48 " " 13.25
24 " " 6.25	54 " " 15.50
30 " " 7.50	60 " " 17.50

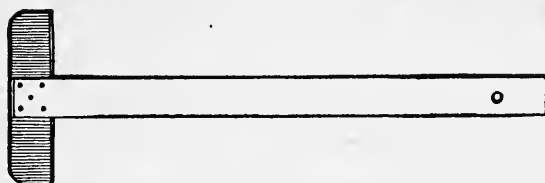
Hard Rubber, thick.



9 inches.....per dozen, \$3.60	24 inches.....per dozen, \$12.50
12 " " 4.50	30 " " 15.50
15 " " 6.00	36 " " 20.00
18 " " 8.00	42 " " 24.00
21 " " 10.00	

MATERIALS FOR DRAWING—Continued.

T SQUARES.



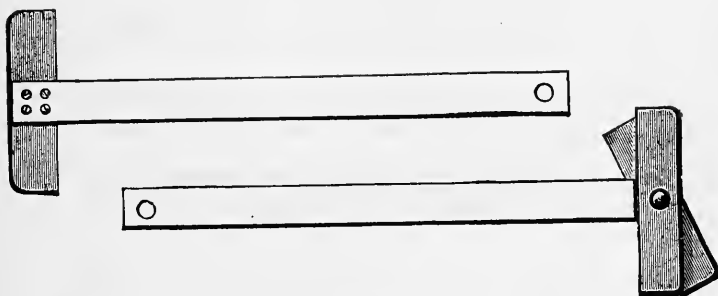
Maple Blade, White Wood Head, for Schools.

FIXED HEAD.

15 inches.....per dozen, \$1.90	24 inches.....per dozen, \$3.60
18 " " 2.40	30 " " 4.50
21 " " 3.00	36 " " 5.25

MOVABLE HEAD.

15 inches.....per dozen, \$3.60	24 inches.....per dozen, \$6.60
18 " " 4.80	30 " " 8.00
21 " " 5.75	36 " " 9.25



Maple Blade, Black Walnut Head Extra.

FIXED HEAD.

15 inches.....per dozen, \$3.50	36 inches.....per dozen, \$7.00
18 " " 4.00	42 " " 8.00
21 " " 4.50	48 " " 9.50
24 " " 5.25	54 " " 10.50
30 " " 6.00	60 " " 12.00

MOVABLE HEAD.

15 inches.....per dozen, \$8.50	36 inches.....per dozen, \$13.50
18 " " 9.50	42 " " 15.00
21 " " 10.50	48 " " 17.00
24 " " 11.50	54 " " 19.00
30 " " 12.50	60 " " 22.00

MATERIALS FOR DRAWING.—Continued.

T SQUARES.—Continued

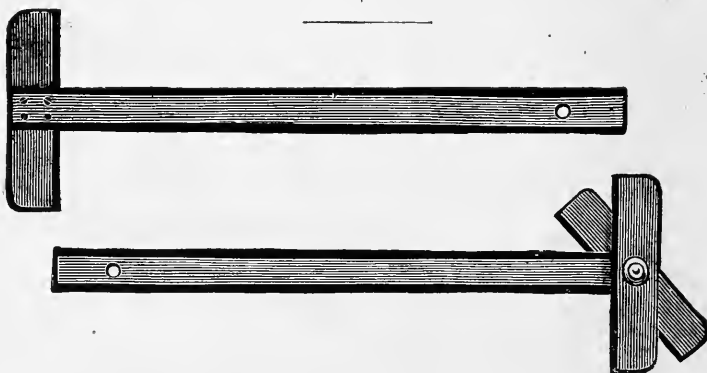
CHERRY WOOD, FINE.

FIXED HEAD.

15 inches.....per dozen,	\$3.30	42 inches.....per dozen,	\$7.75
18 "....."	4.00	48 "....."	9.00
21 "....."	4.65	54 "....."	10.00
24 "....."	5.30	60 "....."	11.75
30 "....."	6.00	72 "....."	13.50
36 "....."	6.75		

MOVABLE HEAD.

15 inches.....per dozen,	\$8.00	42 inches.....per dozen,	\$14.75
18 "....."	9.25	48 "....."	17.00
21 "....."	10.00	54 "....."	19.25
24 "....."	11.25	60 "....."	21.50
30 "....."	12.50	72 "....."	26.00
36 "....."	13.50		



MAHOGANY BLADE. EBONY EDGE.

FIXED HEAD. SHELLAC FINISH.

24 inches.....per dozen,	\$8.40	42 inches.....per dozen,	\$14.25
30 "....."	10.20	48 "....."	16.25
36 "....."	12.00	54 "....."	18.

MOVABLE HEAD, SHELLAC FINISH.

24 inches.....per dozen,	\$13.80	42 inches.....per dozen,	\$20.20
30 "....."	15.60	48 "....."	22.50
36 "....."	17.40	54 "....."	25.20

MATERIALS FOR DRAWING—Continued.

T SQUARES.—Continued.



Hard Rubber Blade, Walnut Head.

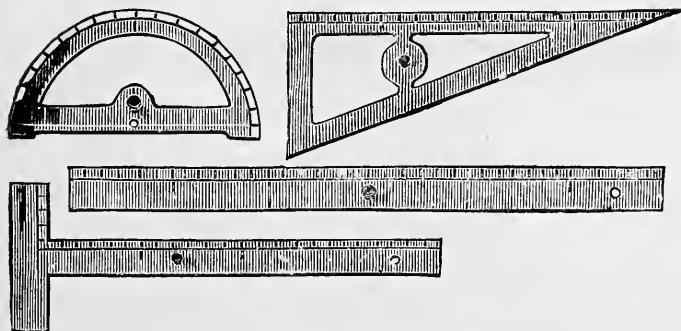
FIXED HEAD, SHELLAC FINISH.

12 inches.....	per dozen, \$8.40	24 inches.....	per dozen, \$19.50
15 "	" 10.00	30 "	" 25.50
18 "	" 12.25	36 "	" 32.50
21 "	" 15.80	42 "	" 41.50

MOVABLE HEAD, SHELLAC FINISH.

12 inches.....	per dozen, \$14.25	24 inches.....	per dozen, \$28.80
15 "	" 18.00	30 "	" 36.00
18 "	" 21.60	36 "	" 43.20
21 "	" 25.20	42 "	" 50.50

BLACKBOARD SET.



CHERRY WOOD, SHELLAC FINISH.

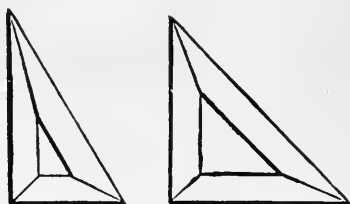
Containing Straight Edge, 36 inches; T Square, 24 inches; Protractor,
15½ inches; and Triangle, 24 inches..... \$6.00

MATERIALS FOR DRAWING.—Continue l.

TRIANGLES.

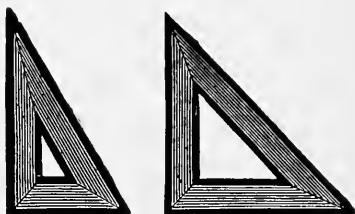
CHERRY OR MAPLE, SOLID.

Thirty and Sixty Degrees.			Forty-five Degrees.		
4 inches.....	per dozen,	\$0.60	4 inches.....	per dozen,	\$0.90
5 ".....	"	0.90	5 ".....	"	1.20
6 ".....	"	1.20	6 ".....	"	1.50
7 ".....	"	1.50	7 ".....	"	1.80
8 ".....	"	1.80	8 ".....	"	2.00
9 ".....	"	2.00	9 ".....	"	2.40
10 ".....	"	2.40	10 ".....	"	3.00



CHERRY OR MAPLE, OPEN, MORTISED JOINTS.

Thirty and Sixty Degrees.			Forty-five Degrees.		
6 inches.....	per dozen,	\$2.45	5 inches.....	per dozen,	\$2.45
7 ".....	"	2.65	6 ".....	"	2.65
9 ".....	"	3.30	8 ".....	"	3.30
11 ".....	"	4.00	10 ".....	"	4.10
13 ".....	"	4.85	12 ".....	"	5.00
15 ".....	"	5.75	14 ".....	"	5.85



MAHOGANY, OPEN, EBONY EDGES, MORTISED JOINTS.

Thirty and Sixty Degrees.			Forty-five Degree		
6 inches.....	per dozen,	\$4.50	5 inches.....	per dozen,	\$4.50
7 ".....	"	5.00	6 ".....	"	5.00
9 ".....	"	6.10	8 ".....	"	6.10
11 ".....	"	8.25	10 ".....	"	8.25
13 ".....	"	11.00	12 ".....	"	11.00
15 ".....	"	13.75	14 ".....	"	13.75

MATERIALS FOR DRAWING—Continued.

TRIANGLES—Continued.

HARD RUBBER TRIANGLES.



30 AND 60 DEGREES.



45 DEGREES.

OPEN CENTRE.

22½x67½ and 30x60 degrees.

3 inches.....	per dozen,	\$1.20
4 "	"	1.80
5 "	"	2.40
6 "	"	3.00
7 "	"	3.60
8 "	"	4.20
9 "	"	4.80
10 "	"	5.40
11 "	"	6.00
12 "	"	7.20
14 "	"	10.80
16 "	"	16.20

45 degrees.

3 inches.....	per dozen,	\$2.40
4 "	"	3.00
5 "	"	3.60
6 "	"	4.20
7 "	"	4.80
8 "	"	5.40
9 "	"	6.00
10 "	"	6.60
11 "	"	7.80
12 "	"	9.00
14 "	"	15.00
16 "	"	21.00

SOLID.

22½x67½ and 30x60 degrees.

3 inches.....	per dozen,	\$1.20
4 "	"	1.44
5 "	"	2.16
6 "	"	2.88

45 degrees.

3 inches.....	per dozen,	\$1.45
4 "	"	2.20
5 "	"	3.60
6 "	"	4.32

MATERIALS FOR DRAWING—Continued.

✂ IRREGULAR CURVES. ✂



HARD RUBBER OR WOOD.

Rubber.			Wood.		
No. 1.	per dozen	\$3.00	No. 14.	per dozen	\$6.60
" 2.	"	3.60	" 15.	"	6.00
" 3.	"	3.30	" 16.	"	6.00
" 4.	"	4.20	" 17.	"	7.20
" 5.	"	4.20	" 18.	"	8.40
" 6.	"	4.20	" 19.	"	8.40
" 7.	"	5.40	" 20.	"	7.20
" 8.	"	5.40	" 21.	"	7.80
" 9.	"	5.40	" 22.	"	8.40
" 10.	"	5.70	" 23.	"	10.20
" 11.	"	5.40	" 24.	"	12.00
" 12.	"	3.60	" 25.	"	14.40
" 13.	"	5.40			

MATERIALS FOR DRAWING.—Continued.

PANTOGRAPH.

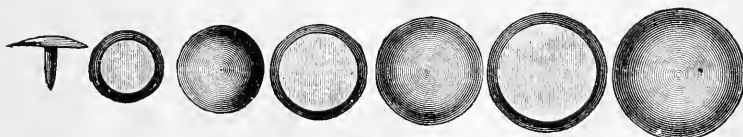


Boxwood, extra fine.....	per dozen, \$24.00
“ fine.....	18.00
“ ordinary.....	3.00

✂ DIRECTIONS. ✂

The foot of the instrument is fastened to the drawing board on the left; to the right is fastened the drawing paper, and at the left of this is fastened the copy to be drawn from. The metal point rests on the picture, or other object to be copied, and by guiding the point over the lines and shadings of the picture, the pencil held in the hand, having a corresponding movement, copies as fast as the metal point traces the picture. By observing the above engraving, it will be seen that the screw eyes are in No. 4 on all the bars; this enlargens the copy four times. To enlarge the drawing ten times, place the screws in No. 10 on all four bars. If it is desired to make a very large drawing from a small copy, take a sketch upon a small sheet, then use the sketch to enlarge from.

THUMB TACKS.



No. 1.

2.

3.

4.

5.

6.

BEVELLED OR OVAL HEADS.

	BRASS.	GERMAN SILVER.
No. 1, $\frac{3}{8}$ inch diameter.....	\$1.75	\$2.75
“ 2, 7-16 “ “.....	2.50	3.75
“ 3, 8-16 “ “.....	3.00	4.50
“ 4, 9-16 “ “.....	3.50	5.00
“ 5, 10-16 “ “.....	3.75	6.00
“ 6, 11-16 “ “.....	4.50	7.00

per
gross

French Single.....	per 100, \$1.00
“ Double.....	1.25
“ Goutte de Suif.....	small, 1.50
“ “ “.....	large, 2.25

MATERIALS FOR DRAWING—Continued.

DRAWING PENS.



No. 1.	Brass mounting, black handle.....	per dozen, \$2.40
" 2.	" " ivory handle	" 4.00
" 3.	German Silver mounting, 4 to 6 inches long, medium finish, hinge to pen.....	per dozen, 4.80
" 4.	German Silver mounting, 4 to 6 inches long, fine finish, hinge to pen.....	per dozen, 6.00
" 5.	German Silver mounting, 4 to 6 inches long, fine finish, hinge to pen and portracting pin.....	per dozen, 9.00
" 6.	German Silver mounting, for curves.....	" 18.00
" 7.	German Silver mounting and pen, fine finish, hinge to pen, for red ink.....	per dozen, 12.00
" 8.	Double Drawing or Railroad Pen, for parallel lines....	" 33.00
	Roulette for dotting lines.....	" 9.00

BRASS DIVIDERS.



4½ inches, with rivet joint.....	per dozen, \$2.50
5½ " " " "	" 3.00
6½ " " " "	" 3.60
4½ " " screw joint.....	" 3.60
5½ " " " "	" 4.50
6½ " " " "	" 5.40
4½ " " " and pencil leg.....	" 4.80
5½ " " " "	" 6.00
6½ " " " "	" 7.20
4½ " " screw joints, with pen, pencil point, and lengthening bar.....	" 7.20
6 inches, with screw joints, with pen, pencil point, and lengthening bar.	" 9.00

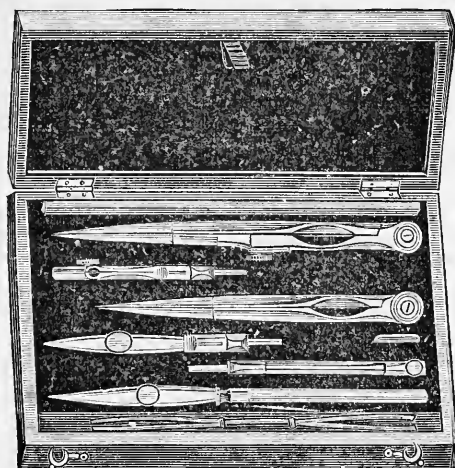
WOOD DIVIDERS.

No. 1.	Wood Divider, with Brass Crayonholder, 15 inches long....	each, \$1.00
" 2.	" " " " Arms and Brass Crayonholder, 15 inches long.....	each, 1.50

MATERIALS FOR DRAWING—Continued.

MATHEMATICAL INSTRUMENTS.

BRASS, IN CASES FOR SCHOOLS.

**No. 3.**

- No. 1. Polished Wood, containing pair $4\frac{1}{2}$ inch Brass Dividers, with pen and pencil point... per dozen, \$6.00
- No. 2. Polished Wood, containing pair $4\frac{1}{2}$ inch Brass Dividers, with pen and pencil point, and lengthening bar, Ebony Handle Drawing Pen, Brass Crayon Holder, Brass Protractor, Box-wood Scale..... per dozen, 10.00
- No. 3. Polished Wood, containing pair $4\frac{1}{2}$ inch Brass Dividers, with pen and pencil point and lengthening bar, pair $3\frac{1}{2}$ inch Dividers, Boxwood Scale, Brass Protractor, Ebony Handle Drawing Pen, Brass Crayon Holder..... per dozen, 12.00
- No. 4. Polished Wood, containing pair $5\frac{1}{4}$ inch Brass Dividers, with pen and pencil point and lengthening bar, pair $4\frac{1}{2}$ inch Brass Dividers, Drawing Pen, Brass Protractor, Crayon Holder, Boxwood Scale..... per dozen, 18.00
- No. 5. Polished Wood, containing pair $6\frac{1}{4}$ inch Brass Dividers, with pen and pencil point and lengthening bar, pair 4 inch Brass Dividers plain, pair $3\frac{1}{2}$ inch Dividers, with needle point, pen and pencil point, Drawing Pen, Brass Protractor, Boxwood Scale..... per dozen, 27.00

MATERIALS FOR DRAWING—Continued.

MATHEMATICAL INSTRUMENTS.—CONTIN'D.

BRASS, IN CASES FOR SCHOOLS.



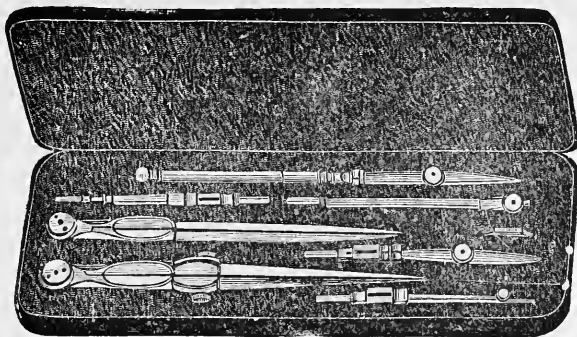
No. 6.

- No. 6. Finely Polished Wood, Lock and Key, containing Tray holding pair $6\frac{1}{4}$ inch Brass Dividers, with pen and pencil point and lengthening bar, pair $4\frac{1}{2}$ inch Dividers, plain, pair $3\frac{1}{2}$ inch Brass Dividers, with needle point, pen and pencil point, Drawing Pen, Brass Protractor, Wood Scale . . . per dozen, \$30.00
- No. 7. Finely Polished Wood, Lock and Key, containing Tray holding pair $6\frac{1}{4}$ inch Brass Dividers, with pen and pencil point and lengthening bar, pair $4\frac{1}{2}$ inch plain Dividers, pair 4 inch Dividers, with pen and pencil point, pair $3\frac{1}{2}$ inch Dividers, with needle point, pen and pencil point, Drawing Pen, Brass Protractor, Horn Protractor, Wood Scale per dozen, 48.00
- No. 8. Finely Polished Wood, Lock and Key, containing Tray with pair $6\frac{1}{2}$ inch needle point Dividers, with pen and pencil point, and lengthening bar, and Patent Pencil Holder, pair $4\frac{3}{4}$ inch plain Dividers, pair $4\frac{1}{4}$ inch Divider, with needle point, pen and Pencil Holder, Spring Bow Pen with needle point, Brass Box with Pencils, Drawing Pen, Brass Protractor, Horn Protractor, Wood Scale. per dozen, 72.00

MATERIALS FOR DRAWING—Continued.

MATHEMATICAL INSTRUMENTS—Contin'd.

GERMAN SILVER, IN CASES.



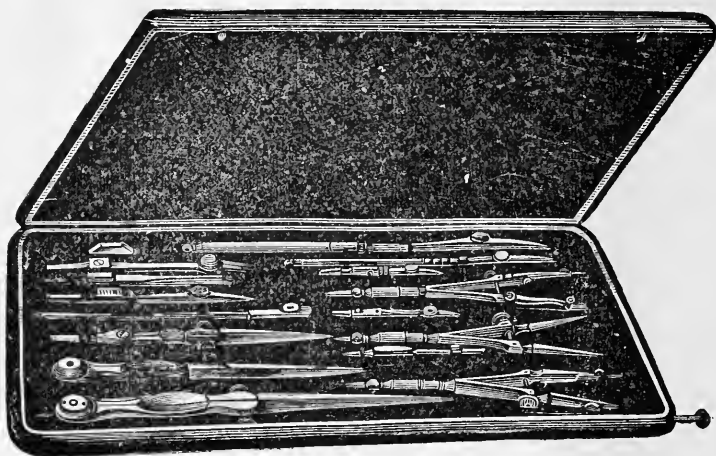
No. 4.

- No. 1. Morocco Case, containing $4\frac{3}{4}$ inch Divider, with needle point, Pen, Pencil holder and Patent pencil point, Box of Pencils, Drawing Pen with Ivory Handle, Wood Scale..... each, \$3.00
- No. 2. Morocco Case, containing $5\frac{1}{4}$ inch Divider, with Pen, Pencil holder and Patent pencil point, lengthening bar, Box of pencils, Drawing Pen with Ivory Handle, Wood Scale..... each, 4.00
- No. 3. Morocco Case, containing $5\frac{1}{4}$ inch Divider, Pen, Pencil holder with Patent pencil point and lengthening bar, 5 inch plain Divider, Box of pencils, Drawing pen with Ivory Handle, Wood Scale..... each, 5.00
- No. 4. Morocco Case, containing $5\frac{1}{4}$ inch Divider, with Pen and Pencil holder, with patent pencil point, lengthening bar, Spring Bow Pen with needle point, Box of pencils, Drawing Pen, with Ivory Handle, Wood Scale..... each, 6.00

MATERIALS FOR DRAWING—Continued.

MATHEMATICAL INSTRUMENTS—Contin'd.

GERMAN SILVER, IN CASES.

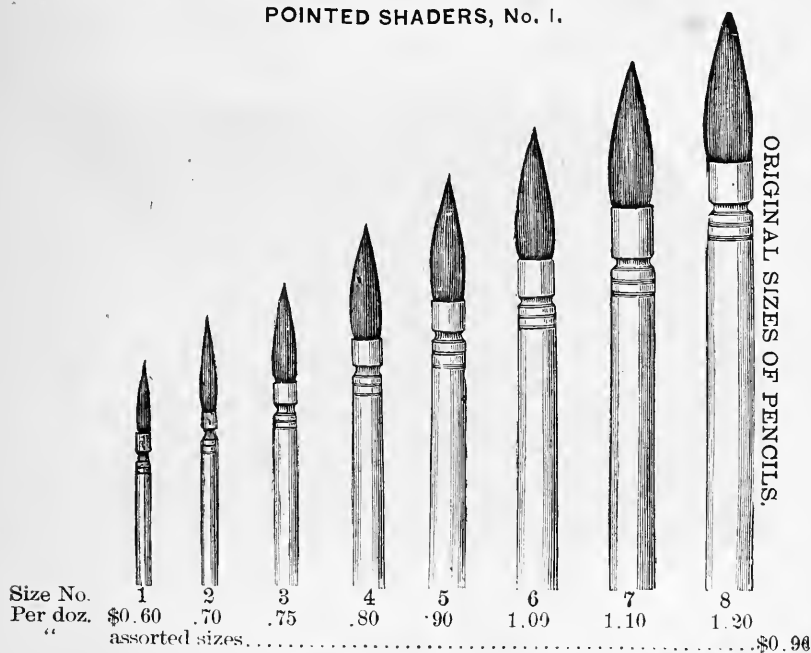


No. 6.

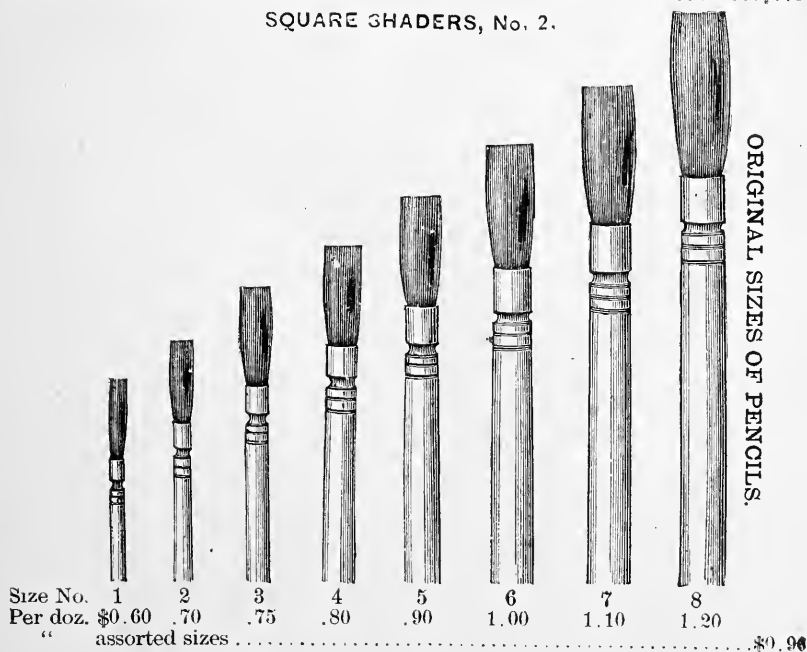
- No. 5. Morocco Case, containing $5\frac{1}{4}$ inch Divider, with pen, pencil holder, with Patent pencil point, lengthening bar, Spring Bow Pen, with needle point, 5 inch plain Divider, Drawing Pen with Ivory Handle, Box of Pencils, Wood Scale. . . each, \$10.00
- No. 6. Morocco Case, containing $5\frac{1}{4}$ inch Divider, with pen, pencil holder with pencil point, lengthening bar, $5\frac{1}{4}$ inch plain Divider, Spring Bow Pen with needle point, two $5\frac{1}{4}$ inch Drawing pens, Box of pencils, Wood Scale. each, 12.00
- No. 7. Morocco Case, containing $5\frac{1}{2}$ inch Divider, with needle point, pen and pencil holder with Patent pencil point, lengthening bar, $5\frac{1}{2}$ inch plain Divider, Spring Bow Pen, with needle point and pencil holder, one 6 inch Drawing pen, one $4\frac{1}{2}$ inch Drawing pen with Ivory Handle, Box of pencils, Wood Scale. each, 18.00

BRUSHES AND PENCILS FOR CHINA PAINTING. SUPERFINE FRENCH CAMEL HAIR PENCILS.

POINTED SHADERS, No. 1.

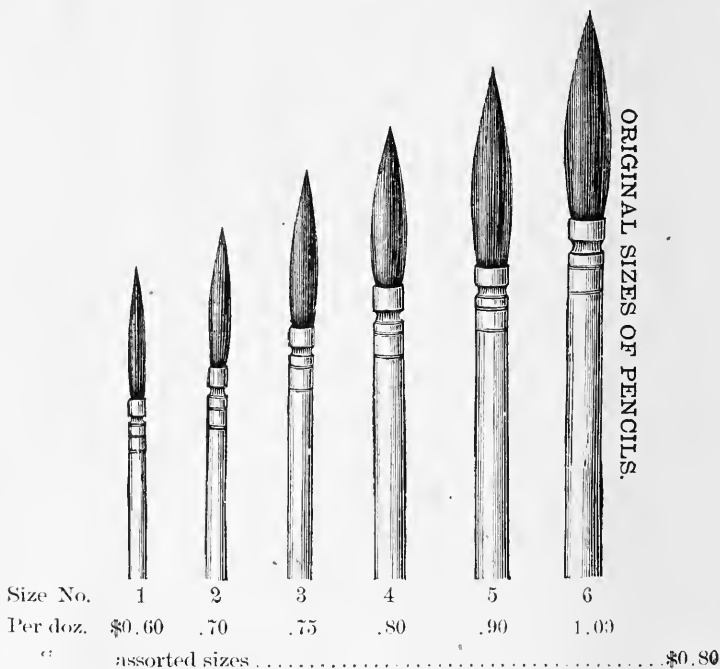


SQUARE SHADERS, No. 2.

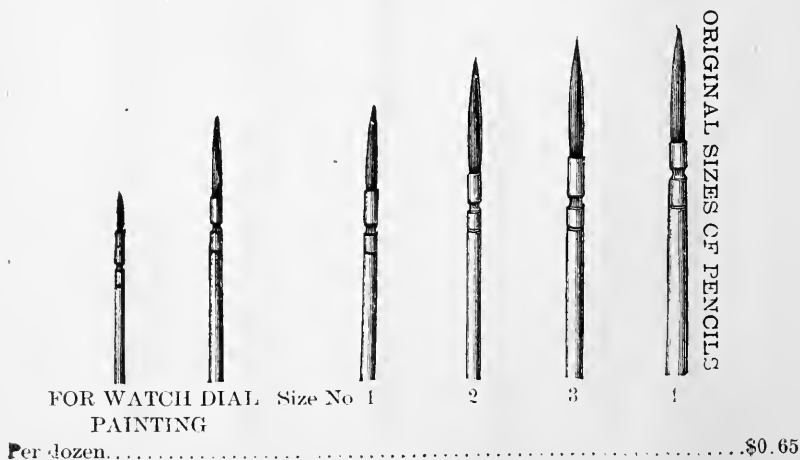


BRUSHES AND PENCILS FOR CHINA PAINTING.—Con'd.
 SUPERFINE FRENCH CAMEL HAIR PENCILS—Con'd.

TRACERS No. 3.



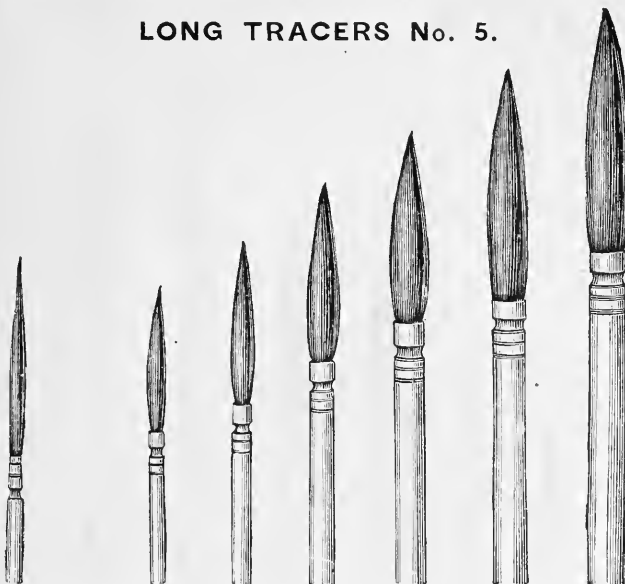
OUTLINING OR LETTERING BRUSHES No. 4.



BRUSHES AND PENCILS FOR CHINA PAINTING—Cont'd
 SUPERFINE FRENCH CAMEL HAIR PENCILS—Cont'd.

LONG TRACERS No. 5.

TRENTON TRACER.



ORIGINAL SIZES OF PENCILS.

Per dozen.	\$0.75	Size No. 1	0.60	2	0.70	3	0.75	4	0.80	5	0.90	6	1.00	
"		assorted sizes.....											\$0.80	

LONG PAINTING No. 6.

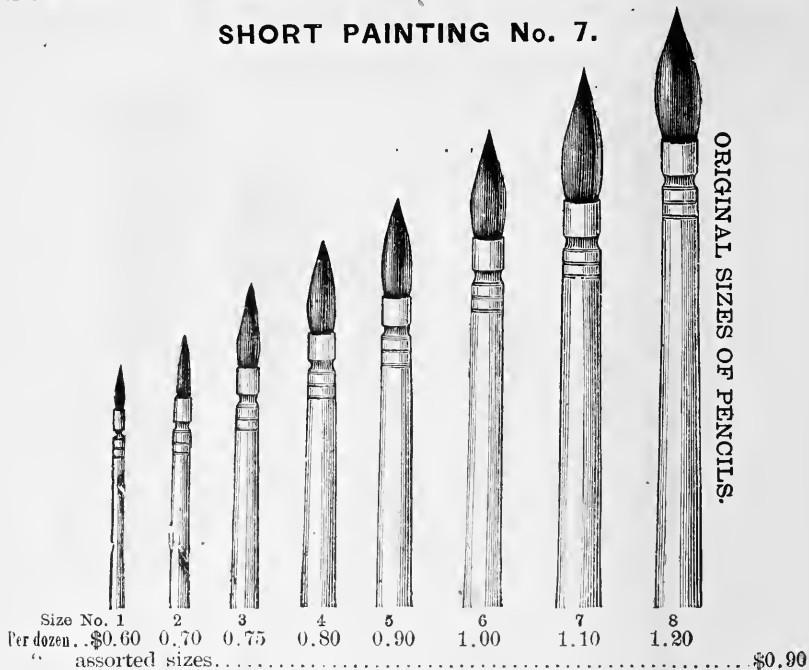


ORIGINAL SIZES OF PENCILS.

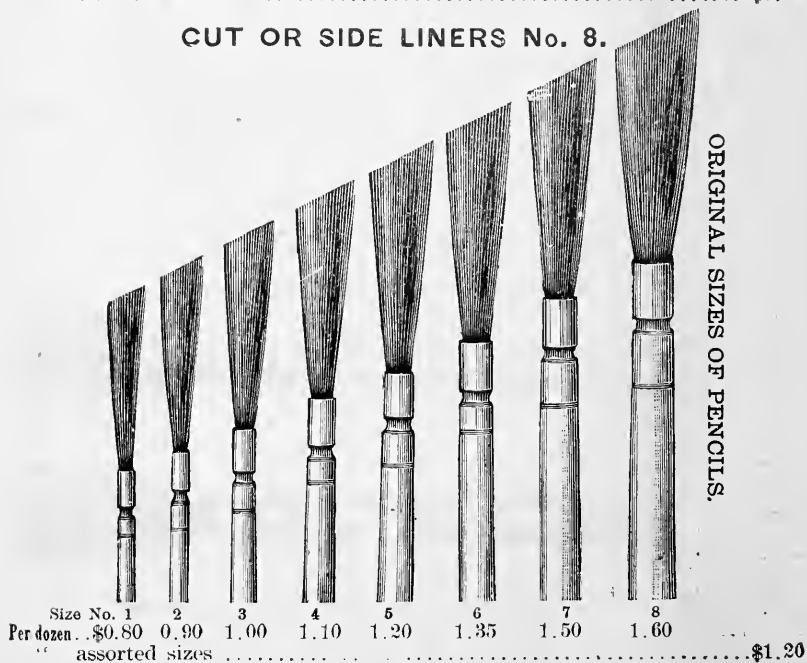
Size No. 1	0.60	2	0.70	3	0.75	4	0.80	5	0.90	6	1.00	
Per dozen.	\$0.60											
"		assorted sizes.....										\$0.80

BRUSHES AND PENCILS FOR CHINA PAINTING—Cont'd
 SUPERFINE FRENCH CAMEL HAIR PENCILS—Cont'd

SHORT PAINTING No. 7.



CUT OR SIDE LINERS No. 8.



BRUSHES AND PENCILS FOR CHINA PAINTING.—Con'd
 SUPERFINE FRENCH CAMEL HAIR PENCILS.—Con'd.

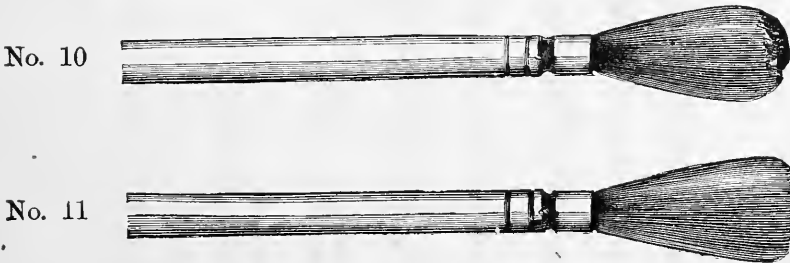
SQUARE LINERS No. 9.



Size No.	1	2	3	4	5	6
Per doz.	\$0.70	.75	.80	.90	1.00	1.20
"	assorted sizes.....					\$0.90

FOR PAINTING GROUNDS.

ORIGINAL SIZES OF PENCILS.



No. 10, Round....	per dozen, \$1.50
" 11, Square.....	" 1.50

BRUSHES AND PENCILS FOR CHINA PAINTING.—Con'd

SUPERFINE
FRENCH CAMEL HAIR BRUSHES.

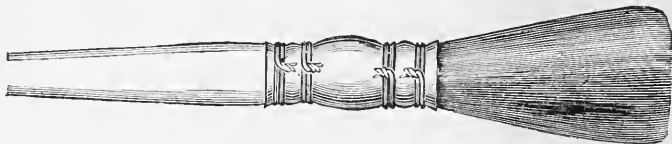
FOR PAINTING GROUNDS, large.

ORIGINAL SIZES OF BRUSHES.

No. 12



No. 13

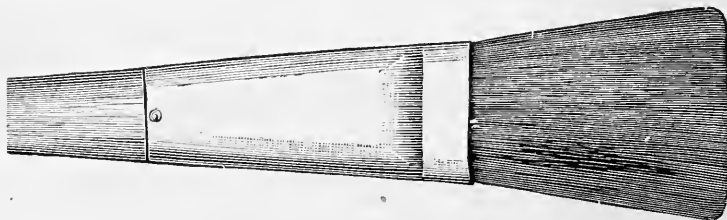


No. 12, Wire bound quills, wood handles, round... per doz. \$3.00

“ 13, “ “ “ “ “ square... “ 3.00

FLAT FOR OILING GROUNDS No. 14.

SIZE OF No. 6.



Tin Ferrules, round wood handles.

No.	0	2	4	6	8	10	11
Per doz.	\$1.60	1.85	2.65	3.80	5.65	7.60	9.00

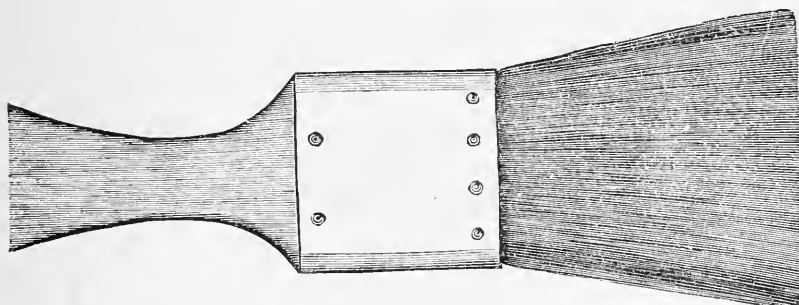
BRUSHES AND PENCILS FOR CHINA PAINTING

(Continued.)

SUPERFINE FRENCH CAMEL HAIR BRUSHES—Cont'd.

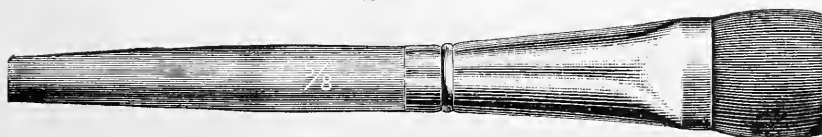
FLAT LUSTRE BRUSHES No. 14B.

SIZE OF 1 INCH FERRULE.

*Thin, for applying Lustres and laying on Grounds.**Tin Ferrules, flat wood handle.*

	Per doz.
$\frac{1}{2}$ in. Ferrule	\$2.40
$\frac{3}{4}$ in. Ferrule	3.60
1 in. Ferrule	5.40
$1\frac{1}{4}$ in. Ferrule	7.20

TINTING BRUSHES No. 14C.

SIZE OF $\frac{3}{8}$ INCH FERRULE.

FLAT, SHORT HAIR TIN FERRULES,

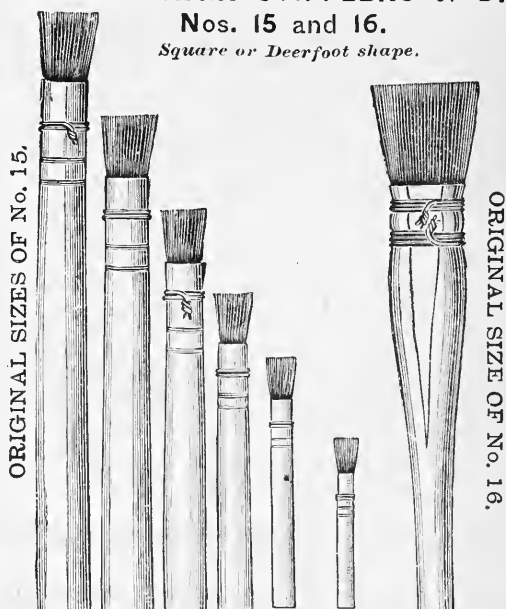
round polished wood handles.

	Per doz.
$\frac{3}{8}$ in. Ferrule	\$1.35
$\frac{1}{2}$ in. Ferrule	1.50
$\frac{5}{8}$ in. Ferrule	1.80
$\frac{3}{4}$ in. Ferrule	2.25

BRUSHES AND PENCILS FOR CHINA PAINTING—Con'd.

GENUINE FITCH HAIR STIPLERS or DABBERS

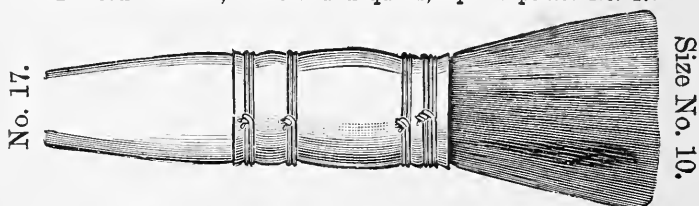
Nos. 15 and 16.

Square or Deerfoot shape.

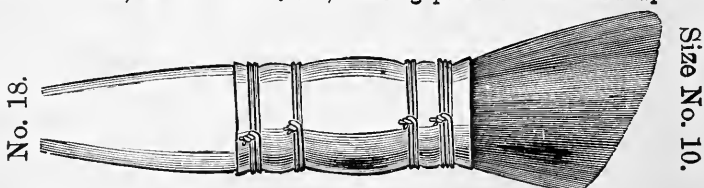
No. 15.	Size No. 6	5	4	3	2	1	No. 16, two quills.
Per dozen.....	\$1.50	1.40	1.25	1.10	0.90	0.75	
"	assorted sizes.....						\$1.15
No. 16.	Per dozen.....						2.50

Genuine Fitch Hair Stiplers or Dabbers Nos. 17 and 18.

In Wood Handles, Wire bound quills, square points No. 17.



In Wood Handles, Wire Bound Quills, slanting points or Deerfoot shape No. 18.



Size No.	2	4	6	8	10	12	20
Per dozen	\$3.25	4.75	7.50	9.00	12.00	15.00	36.00

BRUSHES AND PENCILS FOR CHINA PAINTING
(Continued).

MINIATURE RED SABLE PENCILS No. 19

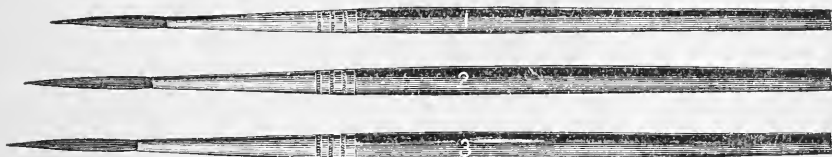
IN QUILLS.

Very small. For Watch Dial Painting, Fine Outlining, &c.

Price, per dozen \$1.50

EXTRAFINE RED SABLE BRUSHES No. 20.

*Specially made for putting on Paste for Relief Gold Work
and Relief Enamel.*



Round. Polished Handles, Nickel-plated Ferrules.

No. 1.	Per dozen	\$1.20
" 2.	"	1.30
" 3.	"	1.50

❀ CEDAR PENCIL STICKS ❀

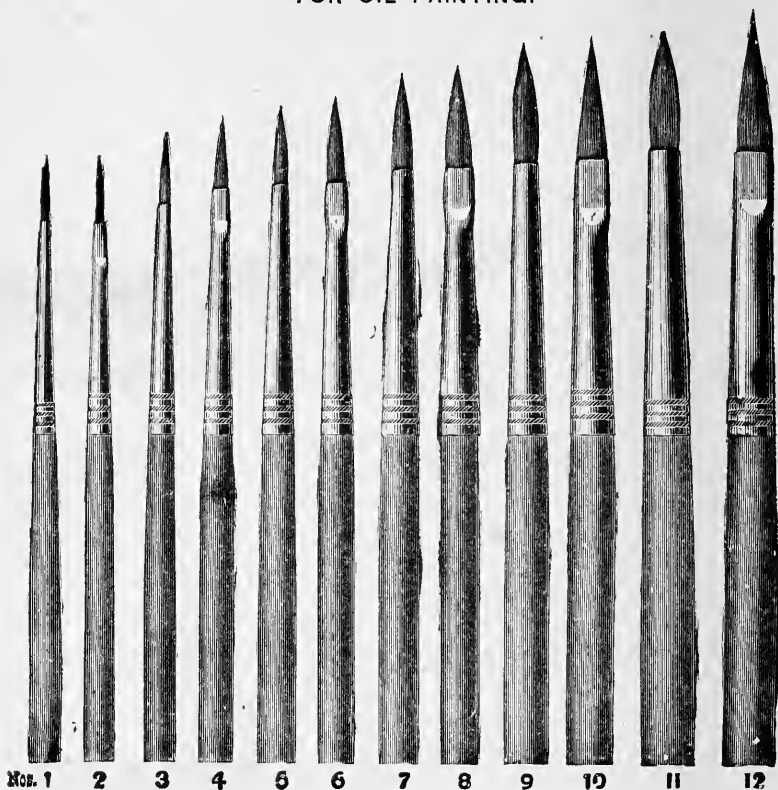
FOR QUILL PENCILS, ASSORTED THICKNESS.

Length	6½ inches	8 inches	10½ inches
Per gross	\$0.75	\$1.00	\$1.50
Per dozen	0.15	0.20	0.25

BRUSHES FOR OIL PAINTING—Continued.

EXTRA FINE RED SABLE BRUSHES.

FOR OIL PAINTING.



POLISHED HANDLES. NICKEL PLATED FERRULES.

ROUND AND FLAT, FIRST QUALITY.

No. 1.....per gross, \$8.00	No. 7.....per gross, \$18.00
" 2....." 9.00	" 8....." 21.00
" 3....." 10.00	" 9....." 24.00
" 4....." 11.50	" 10....." 28.00
" 5....." 12.50	" 11....." 32.00
" 6....." 15.00	" 12....." 36.00
Assorted, Nos. 1 to 6. " 11.00	Assorted, Nos. 1 to 12 " 18.00

ROUND AND FLAT, SECOND QUALITY.

No. 1.....per gross, \$7.30	No. 7.....per gross, \$13.15
" 2....." 7.80	" 8....." 14.65
" 3....." 8.30	" 9....." 16.60
" 4....." 9.25	" 10....." 18.50
" 5....." 10.25	" 11....." 21.50
" 6....." 11.70	" 12....." 24.85
Assorted, Nos. 1 to 6. " 9.10	Assorted Nos. 1 to 12 " 13.65

BRUSHES FOR OIL PAINTING—Continued.
EXTRAFINE RED SABLE BRUSHES—Continued.

EXTRA LARGE, ROUND AND FLAT.

POLISHED HANDLES, NICKEL PLATED FERRULES.

No. 13.....per dozen, \$4.35	No. 16.....per dozen, \$7.60
" 14....." 5.40	" 18....." 8.65
" 15....." 6.50	" 20....." 9.75

EXTRA WIDE, FLAT.

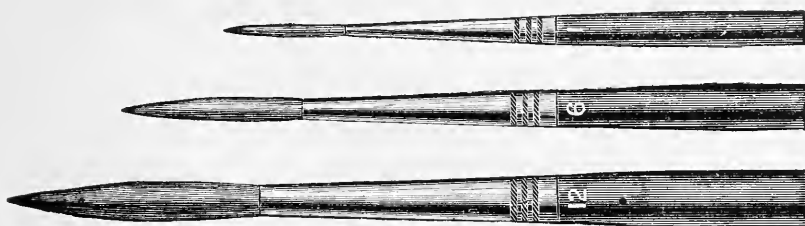


POLISHED HANDLES, TIN FERRULES.

$\frac{3}{8}$ inch.....per dozen, \$3.60	$\frac{3}{4}$ inch.....per dozen, \$9.40
$\frac{1}{2}$ "....." 4.50	$\frac{7}{8}$ "....." 12.25
$\frac{5}{8}$ "....." 6.50	1 "....." 15.15

EXTRAFINE RED SABLE RIGGERS.

EXTRA LONG, FINE LINERS, FOR OIL PAINTING.



POLISHED HANDLES. NICKEL PLATED FERRULES.

No. 1.....per gross, \$9.00	No. 7.....per gross, \$18.90
" 2....." 9.90	" 8....." 22.50
" 3....." 10.80	" 9....." 27.00
" 4....." 11.70	" 10....." 32.40
" 5....." 13.50	" 11....." 39.60
" 6....." 16.20	" 12....." 47.70
Assorted Nos. 1 to 6. " 11.90	Assorted, Nos. 1 to 12 " 21.60

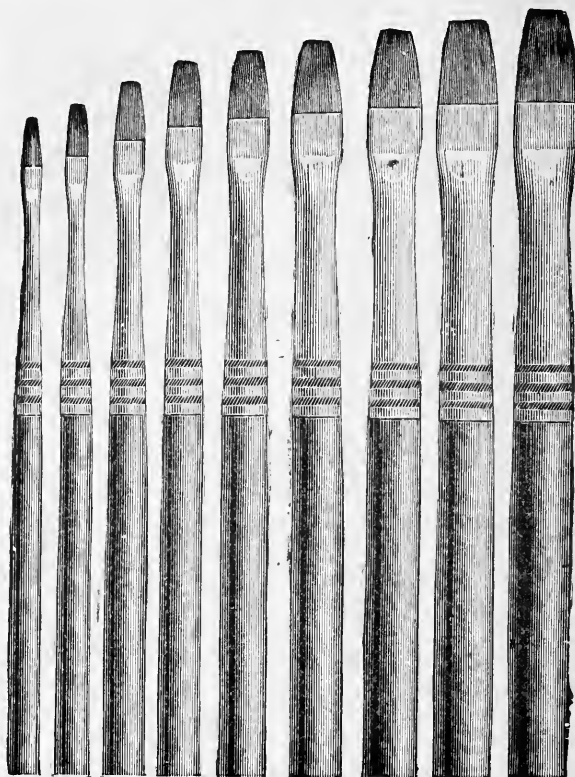
BRUSHES FOR OIL PAINTING—Continued.

EXTRAFINE RED SABLE BRUSHES—Continued.

EXTRAFINE BRIGHT'S RED SABLE BRUSHES.

FOR OIL PAINTING.

FOR FIRM SQUARE TOUCHING AND GENERAL LANDSCAPE WORK.



Nos. 1 2 3 4 5 6 7 8 9

POLISHED HANDLES. NICKEL PLATED FERRULES.

No. 1.....per gross, \$10.80	No. 6.....per gross, \$28.80
" 2....." 12.60	" 7....." 34.20
" 3....." 16.20	" 8....." 39.60
" 4....." 19.80	" 9....." 46.30
" 5....." 23.45	
Assorted, Nos. 1 to 9.....\$25.75	

EXTRA WIDE.

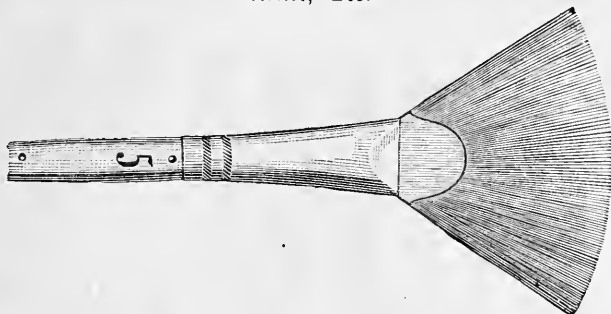
No. 10— $\frac{5}{16}$ in. wide...per doz., \$4.35	No. 16— $\frac{5}{8}$ in. wide...per doz., \$9.75
" 12— $\frac{3}{8}$ " " 5.40	" 18— $\frac{3}{4}$ " " 13.00
" 14— $\frac{1}{2}$ " " 7.20	" 20— $\frac{7}{8}$ " " 17.30

BRUSHES FOR OIL PAINTING—Continued.

EXTRAFINE RED SABLE BRUSHES—Continued.

EXTRAFINE FAN SHAPED RED SABLE BRUSHES.

FOR OIL PAINTING.

FOR LIGHT GLAZING, SOFTENING, SCUMBLING, FOLIAGE,
HAIR, Etc.

POLISHED HANDLES. TIN FERRULES.

No. 1.....	per dozen, \$2.55	No. 4.....	per dozen, \$4.20
" 2.....	" 3.00	" 5.....	" 5.40
" 3.....	" 3.60	" 6.....	" 6.50
Assorted, Nos. 1 to 6.... per dozen, \$4.25			

EXTRAFINE RUSSIAN SABLE BRUSHES.

FOR OIL PAINTING.

POLISHED HANDLES. NICKEL PLATED FERRULES.
ROUND AND FLAT.

(See Illustration on page 144.)

No. 1.....	per gross, \$6.50	No. 7.....	per gross, \$9.80
" 2.....	" 7.00	" 8.....	" 10.40
" 3.....	" 7.50	" 9.....	" 11.00
" 4.....	" 8.00	" 10.....	" 11.70
" 5.....	" 8.60	" 11.....	" 12.40
" 6.....	" 9.20	" 12.....	" 13.10
Assorted, Nos. 1 to 6....	" 7.80	Assorted, Nos. 1 to 12	" 9.60

EXTRAFINE BRIGHT'S RUSSIAN SABLE BRUSHES.

FOR OIL PAINTING.

POLISHED HANDLES. NICKEL PLATED FERRULES.
FLAT.

(See Illustration on page 146.)

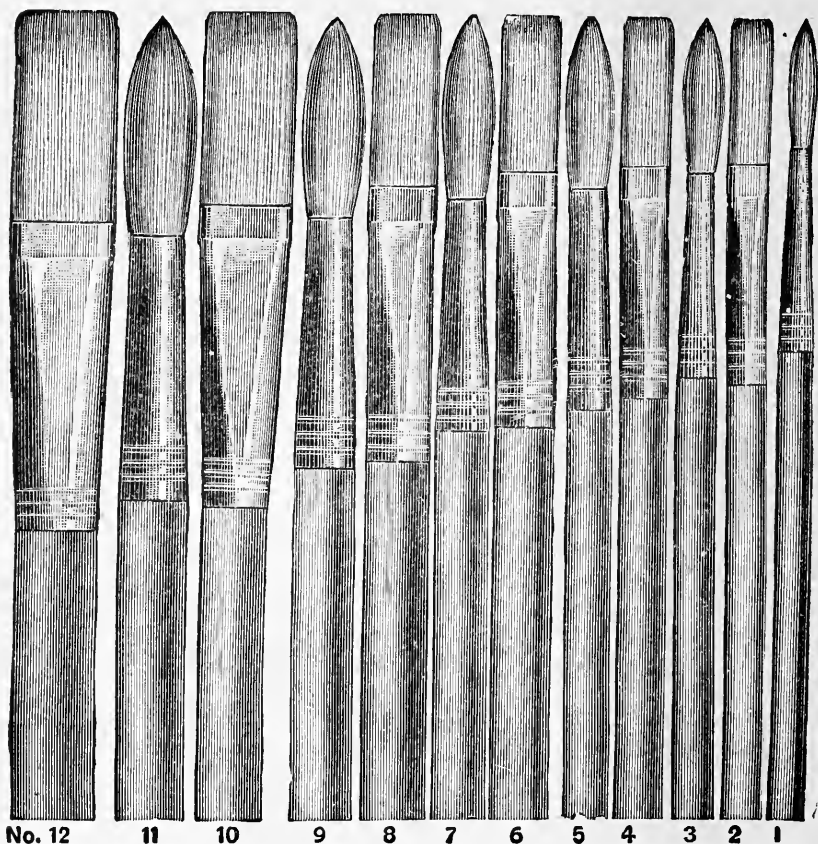
No. 1.....	per gross, \$7.20	No. 6.....	per gross, \$12.80
" 2.....	" 8.00	" 7.....	" 14.40
" 3.....	" 9.00	" 8.....	" 17.20
" 4.....	" 10.00	" 9.....	" 20.00
" 5.....	" 11.20		

Assorted, Nos. 1 to 9.....\$12.20

EXTRA WIDE.

No. 10— $\frac{5}{16}$ in. wide..	per doz., \$2.20	No. 16— $\frac{5}{8}$ in. wide....	per doz., \$4.00
" 12— $\frac{3}{8}$ " " "	" 2.60	" 18— $\frac{3}{4}$ " " "	" 5.20
" 14— $\frac{1}{2}$ " " "	" 3.20	" 20— $\frac{7}{8}$ " " "	" 7.20

BRUSHES FOR OIL PAINTING—Continued.

EXTRA FINE BRISTLE BRUSHES.**FOR OIL PAINTING.*****POLISHED HANDLES. TIN FERRULES.*****ROUND AND FLAT.**

No. 1.....	per gross, \$6.50	No. 7.....	per gross, \$9.50
" 2.....	" 6.90	" 8.....	" 10.15
" 3.....	" 7.35	" 9.....	" 10.80
" 4.....	" 7.75	" 10.....	" 11.35
" 5.....	" 8.15	" 11.....	" 11.90
" 6.....	" 8.80	" 12.....	" 12.75

Assorted, Nos. 1 to 12.....\$9.00

BRUSHES FOR OIL PAINTING—Continued.

EXTRAFINE BRISTLE BRUSHES—Continued.

FRENCH, FOR OIL PAINTING.

Round and flat. White Handles. Tin Ferrules.

No. 1.....per gross, \$4.80	No. 7.....per gross, \$8.40
“ 2.....“ 5.40	“ 8.....“ 9.00
“ 3.....“ 5.60	“ 9.....“ 9.60
“ 4.....“ 6.00	“ 10.....“ 10.00
“ 5.....“ 7.20	“ 11.....“ 10.80
“ 6.....“ 7.80	“ 12.....“ 11.40

Assorted, Nos. 1 to 12.....\$7.50

Extra Fine Bristle Brushes, Extra Large.

FOR OIL PAINTING.

POLISHED HANDLES. TIN FERRULES.

ROUND.

No. 14.....per dozen, \$1.50	No. 20.....per dozen, \$1.95
“ 16.....“ 1.60	“ 22.....“ 2.20
“ 18.....“ 1.80	“ 24.....“ 2.40

FLAT.

$\frac{3}{4}$ inch wide...per doz., \$1.60	$1\frac{1}{4}$ inch wide...per dozen, \$2.80
$\frac{7}{8}$ “ ““ 1.95	$1\frac{3}{8}$ “ “ ..“ 3.10
1 “ ““ 2.20	$1\frac{1}{2}$ “ “ ..“ 3.45
$1\frac{1}{8}$ “ ““ 2.40	

Extra Fine Fan Shaped Bristle Brushes.

FOR OIL PAINTING.

For Slight Dragging, Light Touching, Hair, Foliage, Scumbling, Etc.

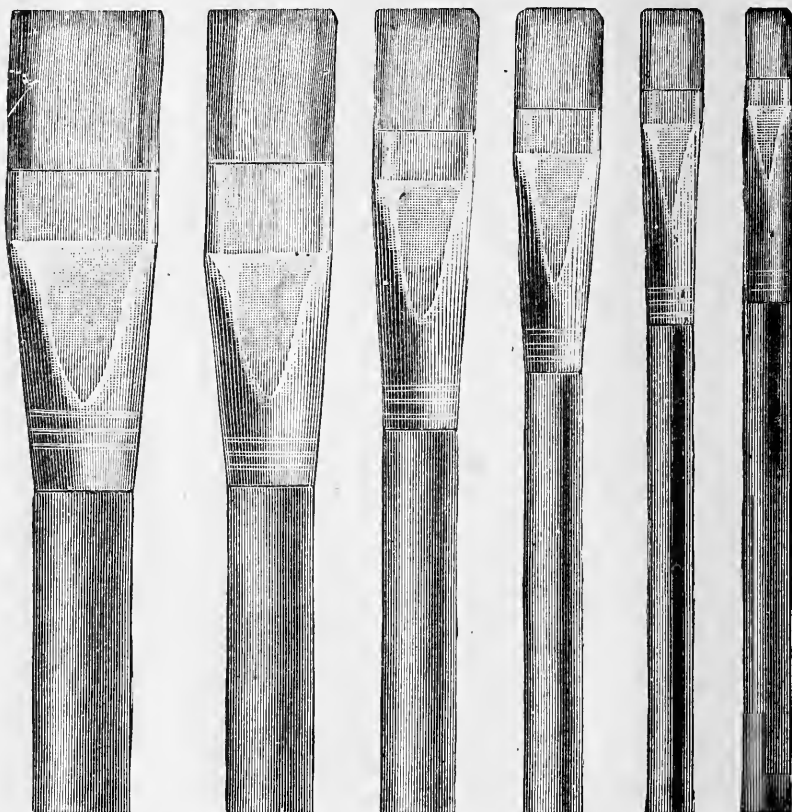
(See Illustration on page 147.)

POLISHED HANDLES. TIN FERRULES.

No. 1.....per dozen, \$1.10	No. 4.....per dozen, \$1.65
“ 2.....“ 1.30	“ 5.....“ 1.85
“ 3.....“ 1.50	“ 6.....“ 2.00

BRUSHES FOR OIL PAINTING—Continued.

EXTRAFINE BRISTLE BRUSHES—Continued.

BRIGHT'S, FOR OIL PAINTING.

Nos. 6

5

4

3

2

1

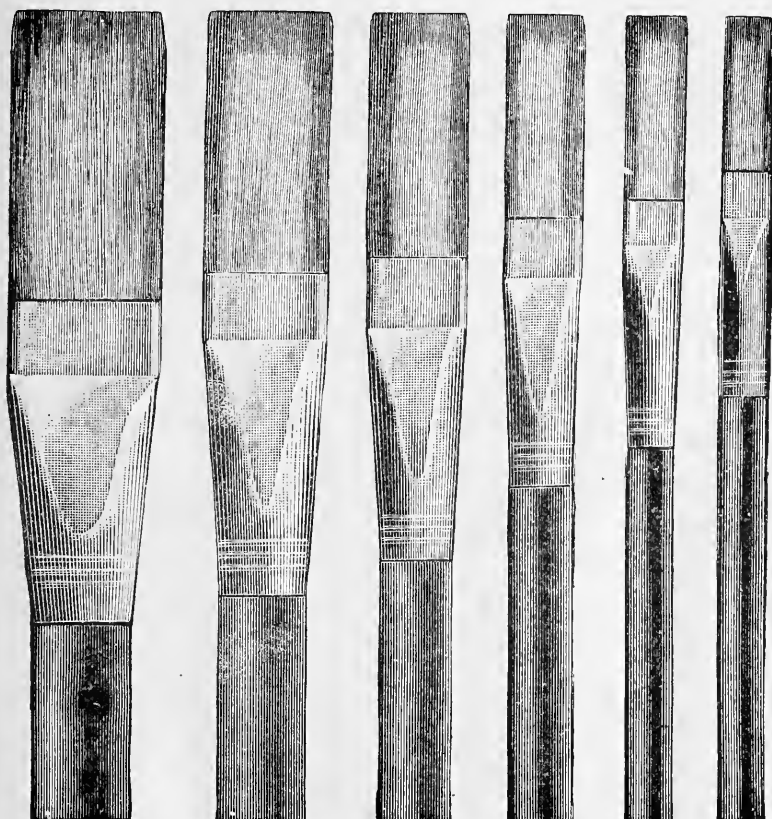
POLISHED HANDLES. FERRULES.

No. 1.....	Per gross, \$8.10
“ 2.....	“ 9.20
“ 3.....	“ 10.35
“ 4.....	“ 11.50
“ 5.....	“ 13.85
“ 6.....	“ 16.10
Assorted, Nos. 1 to 6.....	“ 11.50

BRUSHES FOR OIL PAINTING—Continued.

EXTRAFINE BRISTLE BRUSHES—Continued.

LANDSEER'S, FOR OIL PAINTING.



Nos. 6

5

4

3

2

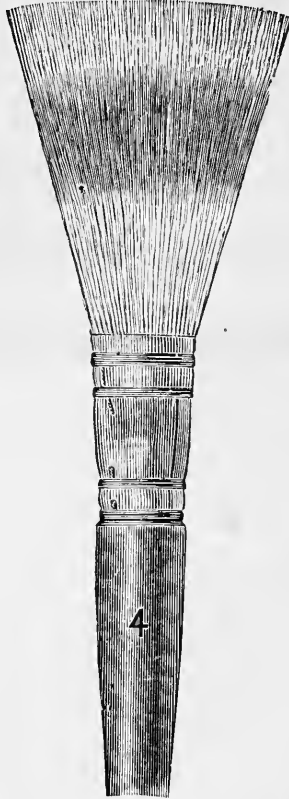
1

Polished Handles. Nickel Plated Ferrules.

No. 1.....	per gross, \$8.10
" 2.....	" 9.20
" 3.....	" 10.35
" 4.....	" 11.50
" 5.....	" 13.85
" 6.....	" 16.10
Assorted, Nos. 1 to 6.....	" 11.50

BRUSHES FOR OIL PAINTING—Continued.

EXTRAFINE ROUND BADGER BLENDEES



PURE STOCK. FULL SIZES. FOR OIL PAINTING.

Polished Handles.		Wire Bound Quills.	
No. 1.....	per dozen, \$1.75	No. 7.....	per dozen, \$6.25
" 2.....	" 2.35	" 8.....	" 7.50
" 3.....	" 3.00	" 9.....	" 8.75
" 4.....	" 3.75	" 10.....	" 10.00
" 5.....	" 4.50	" 11.....	" 11.25
" 6.....	" 5.25	" 12.....	" 12.50

FLAT KNOTTED BADGER BLENDEES.

SET IN BONE.

POLISHED HANDLES.

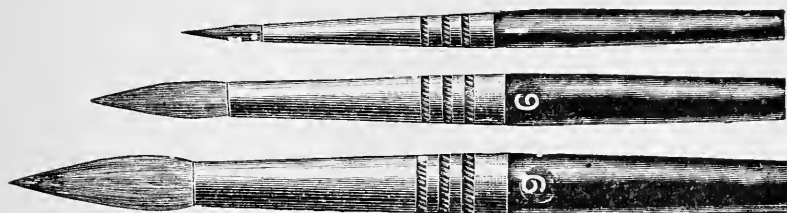
2, 2½, 3, 3½, 4, 4½ and 5 inches wide..... per inch, \$0 40

BRUSHES & PENCILS ^{FOR} WATER COLOR PAINTING

Extra Fine Red Sable Brushes,

FOR WATER COLOR PAINTING.

ROUND AND FLAT.



Black Polished Handles. Nickel Plated Ferrules.

No. 0 and 1 . . . per doz.,	\$1.30	No. 7 per doz.,	\$6.05
" 2	1.75	" 8	7.80
" 3	2.20	" 9	9.75
" 4	2.80	" 10	12.35
" 5	3.90	" 11	15.15
" 6	4.60	" 12	19.45

Extra Fine Red Sable Miniature Pencils.

FOR WATER COLOR PAINTING. IN QUILLS.

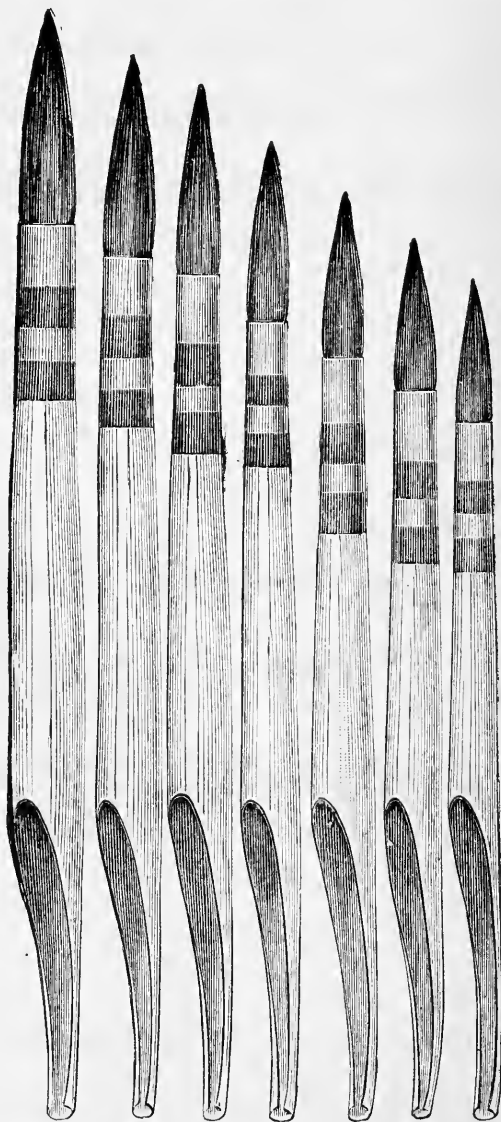
(See Illustration page 156.)

No. 1 per dozen,	\$1.25	No. 5 per dozen,	\$4.20
" 2	1.50	" 6	5.40
" 3	2.35	" 7	7.10
" 4	3.35	" 8	9.20

Assorted, Nos. 1 to 8 . . . per dozen, \$4.25

BRUSHES AND PENCILS FOR WATER COLOR
PAINTING—Continued.

EXTRAFINE RED SABLE SWAN QUILL PENCILS
FOR WATER COLOR PAINTING, LARGE WASHES, &c.

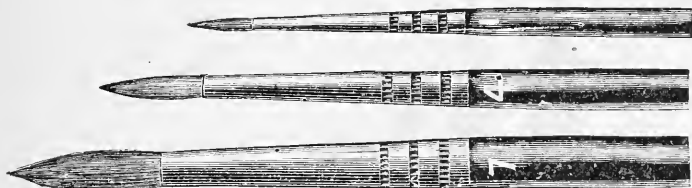


Nos. 1 2 3 4			5 6 7		
No. 1	per dozen	\$35.00	No. 5	per dozen	\$20.00
" 2	"	30.00	" 6	"	16.00
" 3	"	26.75	" 7	"	14.00
" 4	"	22.50			

BRUSHES AND PENCILS FOR WATER COLOR PAINTING—Continued.

EXTRA FINE RUSSIAN SABLE BRUSHES,

BLACK POLISHED HANDLES. NICKEL PLATED FERRULES.



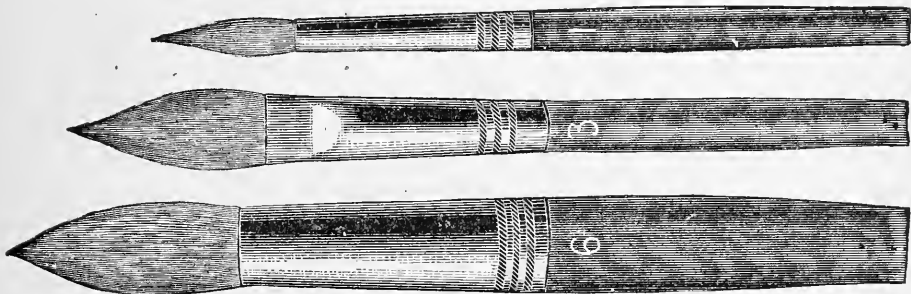
ROUND AND FLAT.

No. 0 and 1.....	per dozen,	\$0.80	No. 6.....	per dozen,	\$1.80
" 2.....	"	0.95	" 7.....	"	2.50
" 3.....	"	1.00	" 8.....	"	3.00
" 4.....	"	1.20	" 9.....	"	4.00
" 5.....	"	1.40	" 10.....	"	5.00

Extra Fine Siberian Wash Brushes,

FOR WATER COLOR PAINTING.

FOR LARGE WASHES, POLISHED HANDLES, NICKEL PLATED FERRULES



ROUND AND FLAT.

No. 1.....	per dozen,	\$1.75	No. 4.....	per dozen,	\$3.00
" 2.....	"	2.00	" 5.....	"	3.70
" 3.....	"	2.35	" 6.....	"	4.90

Extra Fine Siberian Wash Brushes, Double End

FOR WATER COLOR PAINTING.

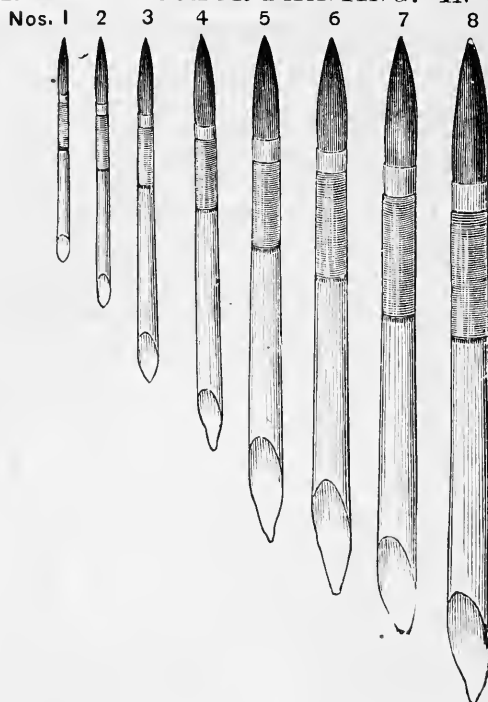
FOR LARGE WASHES, POLISHED HANDLES, NICKEL PLATED FERRULES

ROUND AND FLAT.

No. 1.....	per dozen,	\$4.70
" 2.....	"	5.65
" 3.....	"	7.20

BRUSHES AND PENCILS FOR WATER COLOR
PAINTING—Continued.

CAMEL HAIR PENCILS.
FOR WATER COLOR PAINTING. IN QUILLS.



A. FINEST QUALITY.

No. 1.....	per gross, \$3.00	No. 5.....	per gross, \$7.20
" 2.....	" 3.60	" 6.....	" 8.00
" 3.....	" 4.25	" 7.....	" 8.80
" 4.....	" 5.70	" 8.....	" 9.60
Assorted, Nos. 1 to 8.....per gross, \$6.25			

B. FINE QUALITY.

No. 1.....	per gross, \$2.10	No. 5.....	per gross, \$5.00
" 2.....	" 2.50	" 6.....	" 5.60
" 3.....	" 3.00	" 7.....	" 6.20
" 4.....	" 4.00	" 8.....	" 6.75
Assorted, Nos. 1 to 8.....\$4.40			

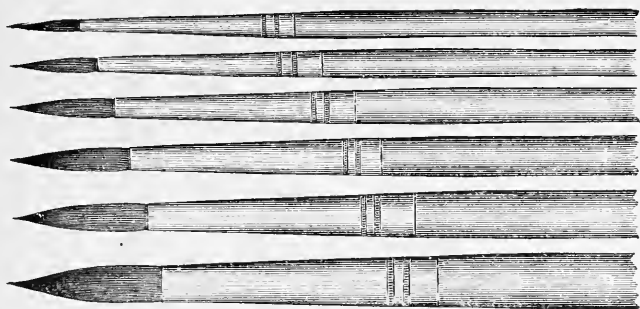
C. ORDINARY QUALITY.

No. 1.....	per gross, \$1.40	No. 5.....	per gross, \$3.35
" 2.....	" 1.70	" 6.....	" 3.75
" 3.....	" 2.00	" 7.....	" 4.15
" 4.....	" 2.70	" 8.....	" 4.50
Assorted, Nos. 1 to 8.....\$2.90			

CAMEL HAIR SWAN QUILL PENCILS.
FOR WATER COLOR PAINTING, LARGE WASHES, &c.

(See Illustration on page 154.)

No. 1.....	per dozen, \$7.25	No. 5.....	per dozen, \$2.45
" 2.....	" 5.80	" 6.....	" 1.60
" 3.....	" 4.60	" 7.....	" 1.45
" 4.....	" 3.65		

BRUSHES AND PENCILS FOR WATER COLOR
PAINTING—Continued.**CAMEL HAIR BRUSHES.**
FOR WATER COLOR PAINTING.

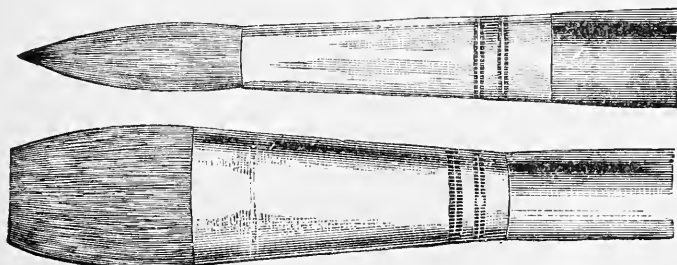
ROUND AND FLAT. POLISHED HANDLES.

EXTRA FINE QUALITY (Nickel Plated Ferrules.)

No. 1.....per gross, \$7.25	No. 4.....per gross, 9.15
" 2....." 7.90	" 5....." 10.00
" 3....." 8.50	" 6....." 11.25
Assorted, Nos. 1 to 6, ...per gross, \$9.00	

FINE QUALITY (Tin Ferrules.)

No. 1.....per gross, \$5.40	No. 4.....per gross, \$6.90
" 2....." 5.90	" 5....." 7.50
" 3....." 6.40	" 6....." 8.50
Assorted, Nos. 1 to 6, ...per gross, \$6.75	

EXTRA FINE CAMEL HAIR LAQUERING BRUSHES.FOR VARNISHING. ALSO USED IN WATER COLOR
PAINTING FOR LARGE WASHES.

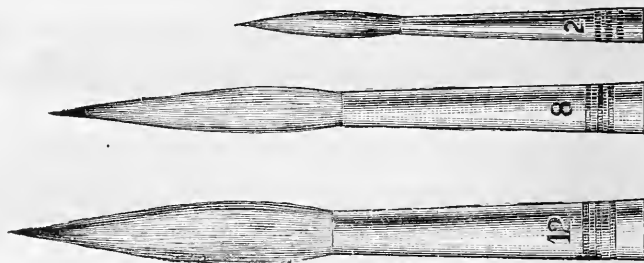
POLISHED HANDLES. TIN FERRULES.

ROUND		FLAT.	
No. 1.....per gross, \$12.15	3/8	inch wide.....per gross, \$12.15	
" 2....." 13.50	1/2	"....." 13.50	
" 3....." 15.75	5/8	"....." 15.75	
" 4....." 18.90	3/4	"....." 18.90	
" 5....." 21.60	7/8	"....." 21.60	
" 6....." 25.65	1	"....." 25.65	

SUNDRY BRUSHES.

Extra Fine Black Sable Lettering Pencils

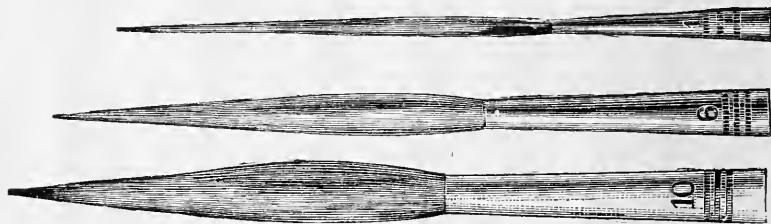
IN NICKEL PLATED FERRULES.



No. 1.....per dozen, \$1.60	No. 6.....per dozen, \$6.50
" 2....." 2.25	" 7....." 8.60
" 3....." 3.20	" 8....." 11.00
" 4....." 4.30	" 10....." 13.50
" 5....." 5.40	" 12....." 18.00

Extra Fine Black Sable Striping Pencils.

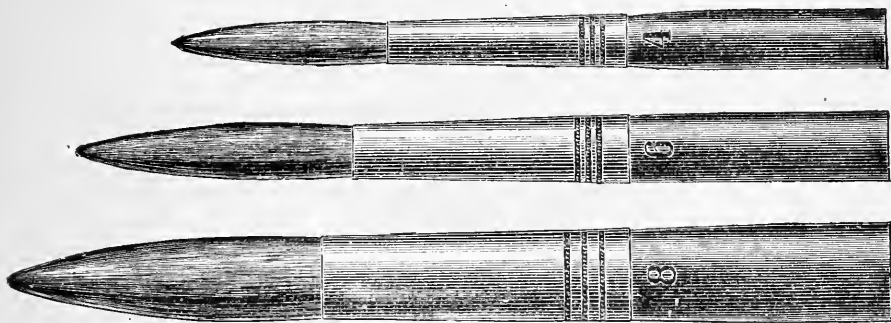
IN NICKEL PLATED FERRULES.



No. 1.....per dozen \$2.25	No. 6.....per dozen \$7.65
" 2....." 3.15	" 7....." 9.50
" 3....." 4.00	" 8....." 12.15
" 4....." 5.00	" 10....." 14.85
" 5....." 6.30	" 12....." 20.25

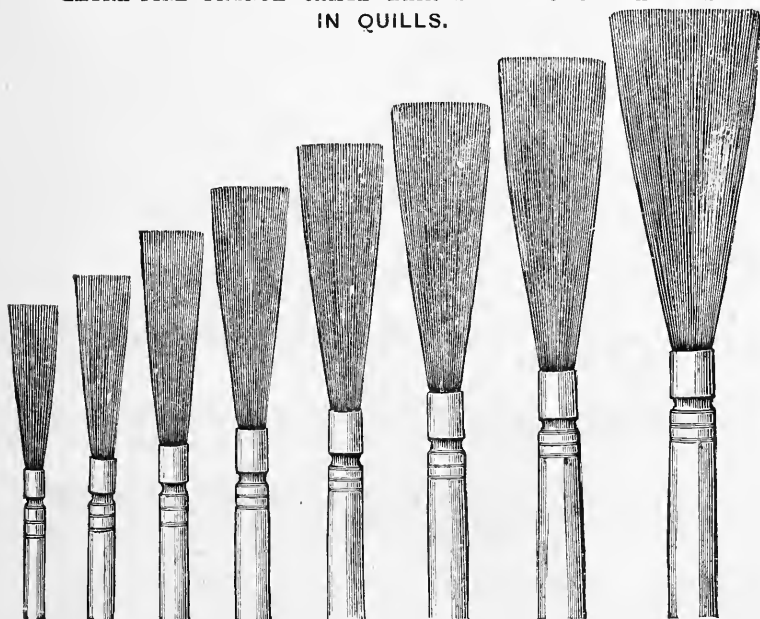
SUNDRY BRUSHES—Continued.

EXTRA FINE OX HAIR BRUSHES.
FOR FRESCO PAINTING.
 POLISHED HANDLES. NICKEL PLATED FERRULES.

**ROUND AND FLAT.**

No. 1.....	per dozen, \$0.90	No. 5.....	per dozen, \$3.00
" 2.....	" 1.20	" 6.....	" 3.90
" 3.....	" 1.80	" 7.....	" 4.50
" 4.....	" 2.40	" 8.....	" 5.70

EXTRA FINE FRENCH CAMEL HAIR STRIPERS OR BANDERS.
IN QUILLS.



ORIGINAL SIZES OF PENCILS.

$\frac{3}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$ inch.
\$0.70	0.75	0.80	0.90	1.00	1.20	1.40	1.65

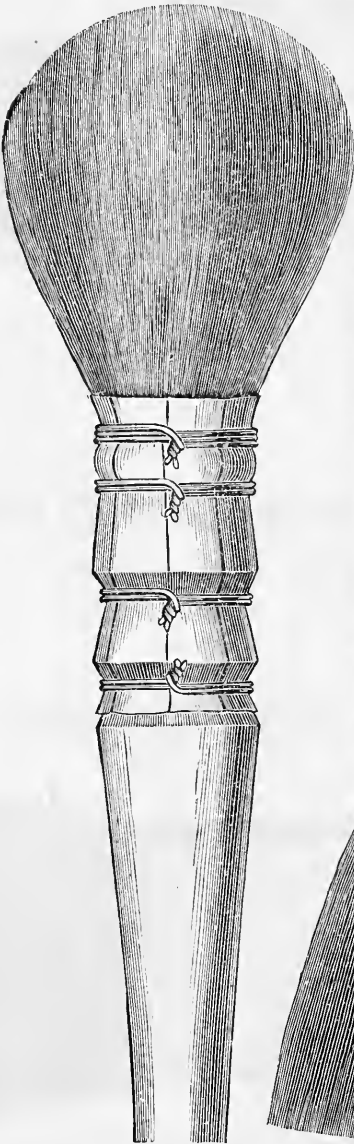
PER DOZEN.

Assorted sizes, \$1.05 per dozen.

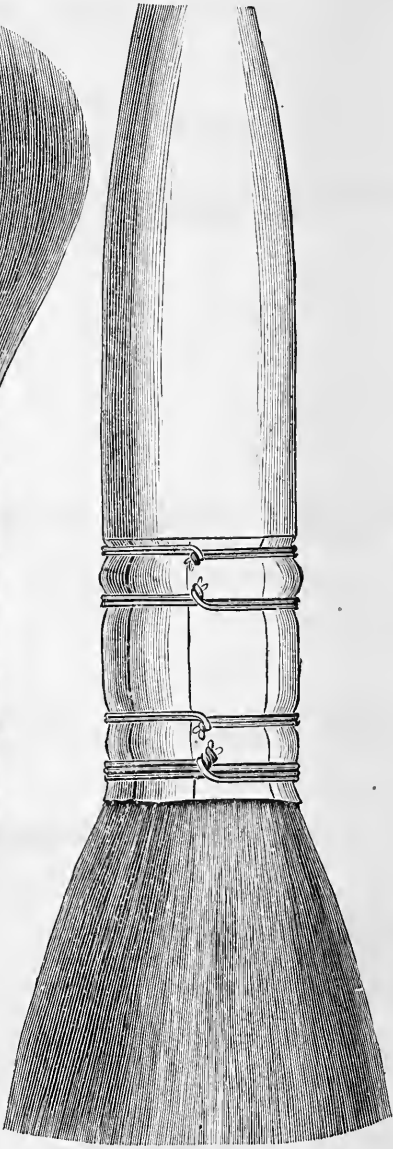
SUNDRY BRUSHES—Continued.

SUPERIOR FRENCH CAMEL HAIR DUSTERS.
WIRE BOUND QUILLS, WOOD HANDLES.

Original Size of No. 14.



Original Size of No. 16.

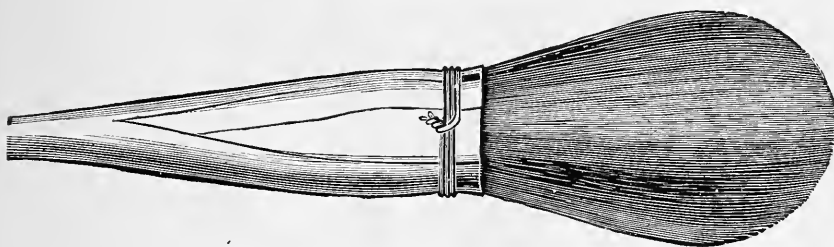


Pointed or square No.	2	4	6	8	10	12	14	16	18	20	24	30
Per dozen	\$3.45	4.80	6.60	9.30	12.50	16.15	21.60	25.15	28.75	32.30	35.90	44.90

SUNDRY BRUSHES—Continued.

SUPERIOR FRENCH CAMEL HAIR DUSTERS

Wire Bound Quills. Round Point.

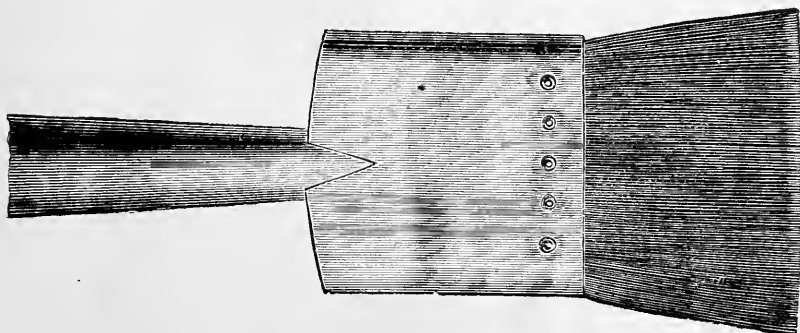


ORIGINAL SIZE OF 6 QUILL DUSTER.

	2 quills	3 quills	4 quills	5 quills	6 quills	8 quills
Per dozen...	\$2.45	3.90	5.30	7.15	9.10	13.10

SUPERIOR CAMEL HAIR GILDERS TIPS.4 inches wide, Length of Hair $1\frac{1}{2}$, 2 and $2\frac{1}{2}$ inches.

Per dozen.....\$1.50

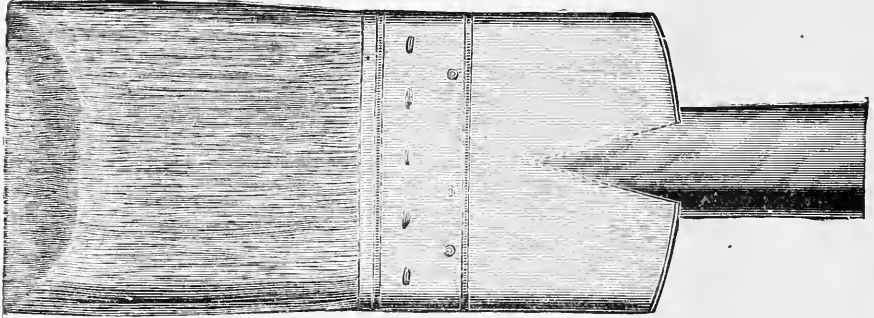
FINE FITCH FLOWING BRUSHES.*IN TIN, CEDAR WOOD HANDLE.*Single Thick, 1, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3, $3\frac{1}{2}$ and 4 inches wide...per inch \$0.22Double Thick, 1, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3, $3\frac{1}{2}$ and 4 inches wide.. " 0.33.

The same, chiseled, 6c. more per inch.

SUNDRY BRUSHES—Continued.

CHISELED BRISTLE FLOWING BRUSHES.

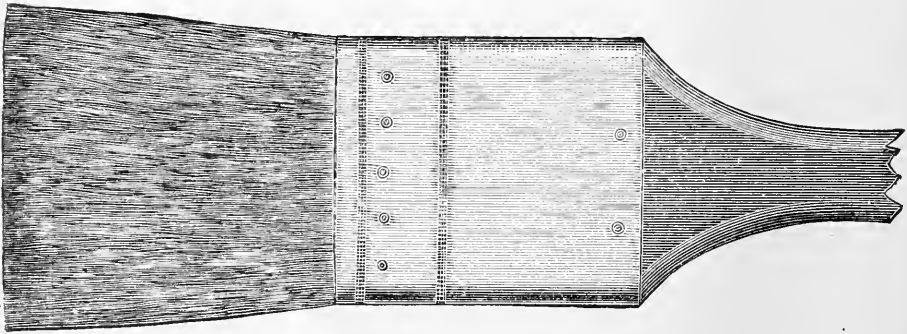
SET IN GLUE, IN TIN AND POLISHED HANDLES.



Single Thick, 1, 1½, 2, 2½ and 3 inches wide per inch, \$0.22
 Double Thick, 1, 1½, 2, 2½ and 3 inches wide " 0.30

FLAT BRISTLE VARNISH BRUSHES.

SET IN GLUE. PLAIN HANDLES.

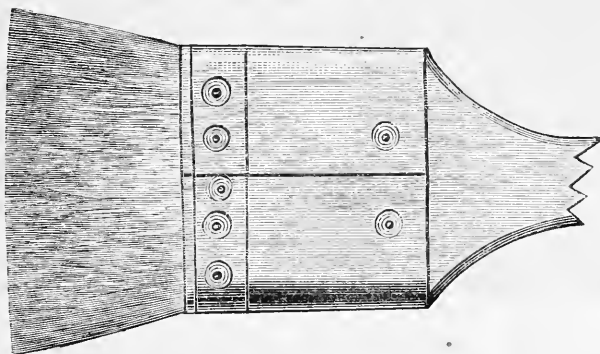


1 inch per dozen, \$1.26	3 inches per dozen, \$4.50
1½ " " 1.80	3½ " " 5.40
2 " " 2.40	4 " " 6.25
2½ " " 3.60	

SUNDRY BRUSHES.—Continued.

EXTRAFINE
CAMEL HAIR MOTTLING BRUSHES.

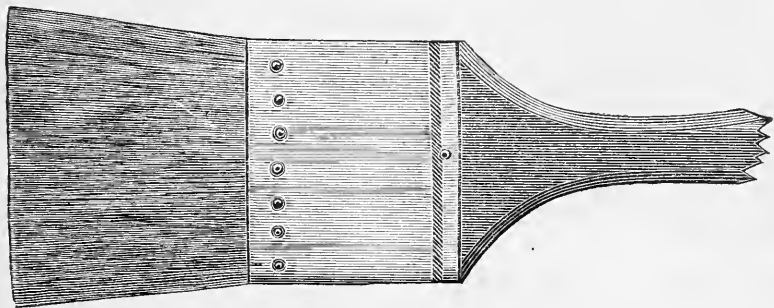
IN TIN. SHORT CEDAR HANDLES.



1 inch wide.....	per dozen, \$3.50
1½ ".....	" 4.50
2 ".....	" 7.00
2½ ".....	" 10.00
3 ".....	" 13.50

EXTRAFINE
CAMEL HAIR COLOR BRUSHES.

IN TIN. LONG CEDAR HANDLES.



1 inch wide.....	per dozen, \$4.50
1½ ".....	" 7.00
2 ".....	" 9.50
2½ ".....	" 14.50
3 ".....	" 18.00

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By W. J. Muckley

Articles for Decorating.

COMPOSITION PLAQUES.

(PAPIER MACHÉ.)

PREPARED FOR OIL AND WATER COLOR PAINTING.

WHITE, ROUND.

6 inches.....per dozen, \$1.80	16 inches.....per dozen, \$7.00
7 " " 2.10	18 " " 9.80
8 " " 2.50	20 " " 15.00
10 " " 3.20	22 " " 18.00
12 " " 4.20	24 " " 21.00
14 " " 5.60	

WHITE, OVAL.

8 inches.....per dozen, \$2.75	13 inches.....per dozen, \$5.70
10 " " 3.35	15 " " 7.60
11 " " 3.80	17 " " 10.00

BLACK JAPANNED, ROUND.

6 inches.....per dozen, \$3.15	16 inches.....per dozen, \$11.25
7 " " 3.75	18 " " 13.50
8 " " 4.50	20 " " 18.60
10 " " 5.25	22 " " 21.75
12 " " 7.00	24 " " 25.10
14 " " 8.80	

BLACK JAPANNED, OVAL.

8 inches.....per dozen, \$4.20	13 inches.....per dozen, \$8.25
10 " " 5.25	15 " " 11.25
11 " " 6.00	17 " " 14.10

ARTICLES FOR DECORATING—Continued.

FROSTED GLASS PLAQUES*(ALSO CALLED PORCELAIN PLAQUES.)*

ROUND, ACID ROUGHED.

5 inches.....per dozen	\$1.80	12 inches.....per dozen,	\$9.00
6 "	2.25	13 "	10.65
7 "	3.00	14 "	12.15
8 "	3.60	15 "	16.20
9 "	5.25	16 "	19.35
10 "	5.75	18 "	23.40
11 "	7.40	20 "	37.35

SCALLOPPED, ACID ROUGHED.

8 inches.....per dozen,	\$5.00
10 "	7.00
12 "	11.00
14 "	17.00

SHELL-SHAPED, ACID ROUGHED.

6 inches.....per dozen,	\$5.00
8 "	7.00
9 "	8.00
10 "	10.00
12 "	13.50

OCTAGON-SHAPED, ACID ROUGHED.

8 inches.....per dozen,	\$6.00
10 "	8.50
12 "	12.00
14 "	17.00

ARTICLES FOR DECORATING—Continued.

Ground Glass Panels.

Sizes.	Plate Glass $\frac{1}{2}$ inch bevel.	Milk Glass $\frac{1}{4}$ inch bevel.	Milk Glass unbeveled.
3x4.....each	\$0.15	\$0.17	\$0.13
3x5.....“	0.18	0.21	0.16
3x6.....“	0.24	0.25	0.18
3x8.....“	0.26	0.31	0.22
4x4.....“	0.18	0.21	0.16
4x6.....“	0.26	0.31	0.22
4x8.....“	0.30	0.34	0.25
4x10.....“	0.38	0.42	0.31
4x12.....“	0.45	0.50	0.38
5x5.....“	0.26	0.31	0.22
5x7.....“	0.34	0.38	0.28
5x8.....“	0.38	0.42	0.31
5x10.....“	0.45	0.50	0.38
5x12.....“	0.53	0.60	0.43
6x6.....“	0.34	0.38	0.28
6x8.....“	0.45	0.50	0.38
6x10.....“	0.53	0.60	0.43
6x12.....“	0.63	0.71	0.53
7x7.....“	0.45	0.50	0.38
7x10.....“	0.60	0.67	0.50
7x12.....“	0.75	0.85	0.63
7x14.....“	0.85	0.92	0.68
8x8.....“	0.60	0.67	0.50
8x10.....“	0.71	0.80	0.59
8x12.....“	0.86	0.96	0.72
8x14.....“	1.00	1.13	0.83
8x16.....“	1.13	1.25	0.93
10x10.....“	1.00	1.13	0.83
10x12.....“	1.13	1.25	0.93
10x14.....“	1.23	1.37	1.03
10x16.....“	1.46	1.63	1.21
10x18.....“	1.66	1.88	1.42
10x20.....“	1.83	2.05	1.50
12x12.....“	1.38	1.54	1.17
14x14.....“	2.05	2.29	1.71

ARTICLES FOR DECORATING—Continued.

Plate Glass Screens.

Sold in sets of three smooth plateglass Panels with bevelled edges, and holes for tying them together with silk cord or ribbon, which then forms the screen.

5x10 inches.....	per set	\$1.60
6x12 ".....	"	2.00
7x12 ".....	"	2.60

BLACK POLISHED WOOD PANELS.

4x8 inches.....	each	\$0.40	9x18 inches.....	each	\$0.65
5x10 ".....	"	0.40	9x20 ".....	"	0.70
6x10 ".....	"	0.40	10x20 ".....	"	0.90
5x12 ".....	"	0.40	10x24 ".....	"	1.00
6x12 ".....	"	0.48	11x22 ".....	"	1.10
6x14 ".....	"	0.48	12x20 ".....	"	1.20
6x16 ".....	"	0.50	12x24 ".....	"	1.40
8x12 ".....	"	0.50	14x20 ".....	"	1.40
7x14 ".....	"	0.50	14x24 ".....	"	1.60
7x15 ".....	"	0.50	14x29 ".....	"	2.50
6x18 ".....	"	0.55	16x20 ".....	"	1.80
8x14 ".....	"	0.55	15x22 ".....	"	2.10
8x16 ".....	"	0.60	12x28 ".....	"	2.10
8x18 ".....	"	0.65	13x32 ".....	"	2.50
8x20 ".....	"	0.65	18x24 ".....	"	2.50

JAPANNED METAL PANELS.

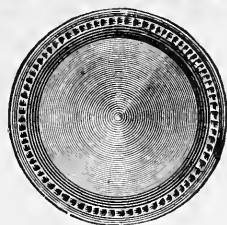
4x6.....	each	\$0.10	6x12.....	each	\$0.20
4x8.....	"	0.12	7x14.....	"	0.24
4x9.....	"	0.14	8x16.....	"	0.37
5x10.....	"	0.14	9x18.....	"	0.44
5x12.....	"	0.18			

SPECIAL SIZES MADE TO ORDER.

JAPANNED SIGN PLATES.

10x14, Light.....	per doz.	\$1.25	20x28 Heavy.....	per doz.	\$15.00
10x14, Heavy.....	"	2.00	24x30 ".....	"	18.00
12x17 ".....	"	4.00	24x36 ".....	"	22.00
14x20 ".....	"	5.00	28x42 ".....	"	30.00
18x24 ".....	"	7.75	28x56 ".....	"	38.00

ARTICLES FOR DECORATING—Continued.

BRASS PLAQUES.

Having a Dull Centre, Highly Burnished and Embossed Rim.

3 inches.....	per dozen	\$1.15	9 inches.....	per dozen	\$3.75
4 "	"	1.40	10 "	"	4.15
5 "	"	1.75	12 "	"	5.65
6 "	"	2.25	14 "	"	8.25
7 "	"	2.75	16 "	"	11.25
8 "	"	2.85			

PURE ALUMINUM PLAQUES.

Plain, Round, Mat Surface.

6 inch.....	per dozen,	\$3.60
8 "	"	5.60
10 "	"	9.50

Plain, Round, Mat Surface, Polished Rings.

6 inch.....	per dozen,	\$4.00
8 "	"	6.10
10 "	"	10.25

Plain, Round, Mat Surface, Crimped Edge.

6 inch.....	per dozen,	\$4.00
8 "	"	6.10
10 "	"	10.25

✻ **PURE ALUMINUM FANS.** ✻

Plain, Mat Surface, Gilt Handles.

AN IMITATION OF PALM LEAF. ROUND OR SQUARE.

Per dozen.....	\$9.00
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ARTICLES FOR DECORATING—Continued.

PURE ALUMINUM . . . PANELS.

No. 1. Plain. Mat surface.

3½x4¾ inches.....	per dozen	\$2.00
3¾x6¼ "	"	3.00
4x8 "	"	3.80
5x9 "	"	5.10

No. 2. Mat surface. Borders in relief, two birds on sprays,
on both ends, 4x8 inches.....per dozen \$5.10

No. 3. Mat surface. Borders in relief, Daisies, on both ends.
5x9 inches.....per dozen \$6.40

No. 4. Mat surface. Borders in relief, Icicles, on both ends.
5x9 inches.....per dozen \$6.40

No. 5. Mat surface. Border in relief, various design, around
panel. 4¾x8½ inches.....per dozen \$9.50

PURE ALUMINUM PANELS, EASEL BACKED.

No. 1. Mat surface. Border in relief, Daisies on both ends.
5x9 inches.....per dozen \$6.90

No. 2. Mat surface. Border in relief, Icicles, on both ends.
5x9 inches.....per dozen \$6.90

No. 3. Mat surface. Border in relief, Daisies on both ends,
brick back ground. 5x8 inches.....per dozen \$10.25

No. 4. Mat surface. Border in relief. Icicles, on both ends,
brick back ground. 5x8 inches.....per dozen \$10.25

No. 5. Mat surface. Border all around in relief, various
design. 4¾x8½.....per dozen \$10.25

NOTICE.—*These articles, being made of pure Aluminum,*
will not tarnish. Use either oil colors or water colors for decorating, and
treat the same as when painting on satin.

WIRE EASELS.

PICTURE EASELS, TURK'S HEAD PATTERN.



No.	Size.		White.	Gold Plate.
0	4½ inch high	each	\$0.07	\$0.14
1	5½	"	0.08	0.15
2	6½	"	0.10	0.20
3	8½	"	0.12	0.25
4	11	"	0.18	0.35
5	12½	"	0.25	0.50

PICTURE EASELS, RUSTIC PATTERN.



No.	Size.		White.	Gold Plate.
0	5 inch high	each	\$0.07	\$0.14
1	6	"	0.08	0.15
2	7	"	0.10	0.20
3	9	"	0.12	0.25
4	11½	"	0.18	0.35
5	13	"	0.25	0.50

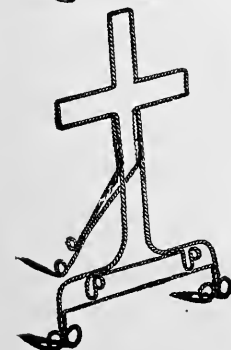
PICTURE EASELS, PADDLE PATTERN.



No.	Size.		White.	Gold Plate.
1	7 inch high	each	\$0.10	\$0.20
2	8	"	0.12	0.25
3	9½	"	0.15	0.30
4	11	"	0.18	0.35

PICTURE * EASELS,

CROSS PATTERN.



No.	Size.		Gold Plate only.
0	4 inch high	each	\$0.25
1	5	"	0.30
2	6	"	0.40
3	7	"	0.50

WIRE EASELS—Continued.



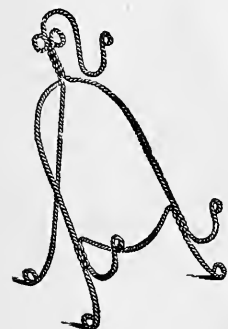
Shell Easels.

No.		White.	Gold Plate.
1	.....each	\$0.10	\$0.20
2	.....	0.15	0.30
3	.....	0.20	0.40



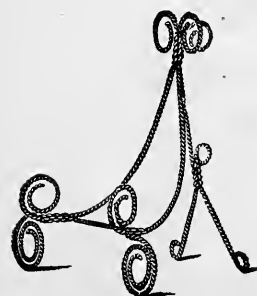
Plate Easels.

No.	To hold Plate.	White.	Gold Plate.
0	.....6 to 6½ inch diam.....each	\$0.16	\$0.30
1	.....7 to 7½ "	0.16	0.30
2	.....8 to 8½ "	0.18	0.35
3	.....9 to 9½ "	0.18	0.35



CUP AND SAUCER EASELS.

No.	To hold Saucer.	White.	Gold Plate.
0	.....5 inch diam.....each	\$0.20	\$0.35
1	.....5½ "	0.20	0.37
2	.....6 "	0.22	0.40
3	.....6½ "	0.22	0.43

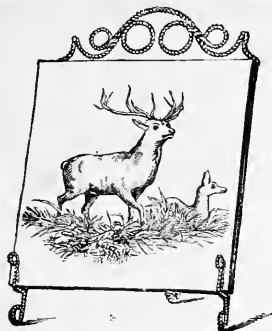


SCROLL PLAQUE EASELS.

No.	To hold Plaque.	White.	Gold Plate.
0	.....6 to 6½ inch diam....each	\$0.20	\$0.40
1	.....7 to 7½ "	0.25	0.50
2	.....8 to 8½ "	0.30	0.60
3	.....9 to 9½ "	0.35	0.70
4	.....10 to 10½ "	0.40	0.80

WIRE EASELS - Continued.

TILE EASELS.



		White.	Gold Plate.
For 6x6 Tile.....	each	\$0.30	\$0.60
" 8x8 "	"	0.45	0.90

ARTISTS' TABLE EASELS.



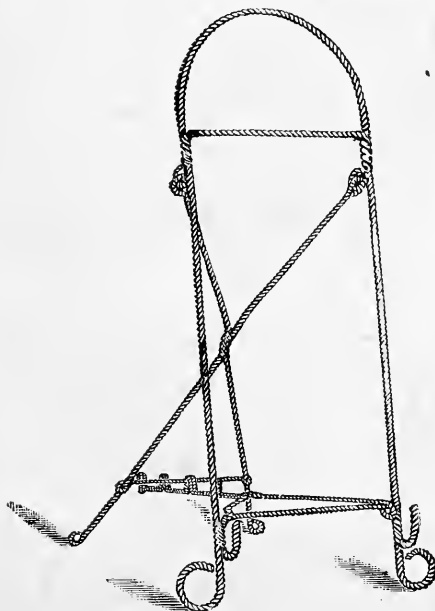
WHITE.

Each... \$0.60



GOLD PLATE.

Each... \$1.20



IMPROVED PLAQUE HANGERS,

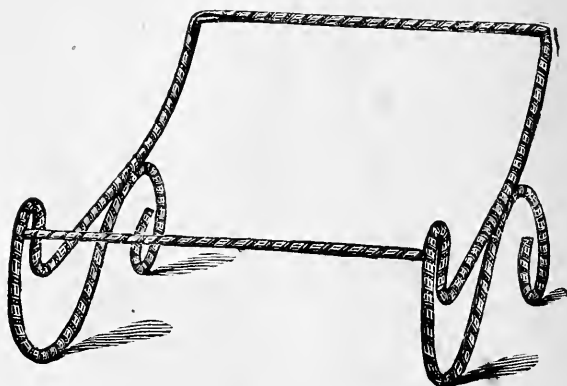
WITH SPIRAL SPRING GUARDS.

No.			White.	Brass.
0.....	for 6 to 7 inch Plaque.....	each	\$0.12.....	\$0.14
1.....	" 8 " 9 "	"	0.13.....	0.15
2.....	" 10 " 11 "	"	0.15.....	0.18
3.....	" 12 " 13 "	"	0.18.....	0.20
4.....	" 14 " 15 "	"	0.22.....	0.27
5.....	" 16 " 18 "	"	0.25.....	0.33

WIRE EASELS—Continued.

PIN CUSHION STAND.

(Also specially adapted for exhibiting fired
Sample plates showing China Colors.)



Solid Brass. Engraved and gilt.

$6\frac{3}{8}$ inches wide, $6\frac{5}{8}$ inches deep.

Each \$0.60

WIRE EASELS—Continued.

PICTURE EASEL,

MAPLE LEAF TOP.

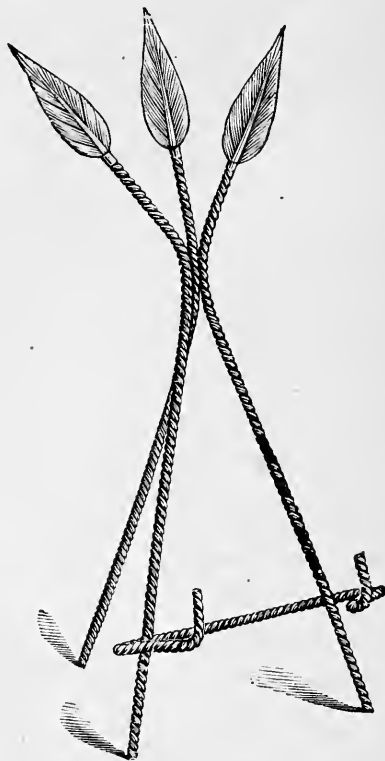


SOLID, TWISTED BRASS AND GILT.

No. 1..	10 $\frac{3}{4}$	inches high, Silver maple leaves	each,	\$0.35
" 2..	14	" " " " " "	"	0.40
" 3..	17	" " " " " "	"	0.55
" 4..	20 $\frac{1}{2}$	" " " " " "	"	0.75
" 5..	10 $\frac{3}{4}$	" " Gold " " " "	"	0.35
" 6..	14	" " " " " "	"	0.40
" 7..	17	" " " " " "	"	0.55
" 8..	20 $\frac{1}{2}$	" " " " " "	"	0.75

WIRE EASELS—Continued.

PICTURE EASEL, SUMAC LEAF TOP.



SOLID, TWISTED BRASS AND GILT.

No. 1.	12 inches high, silver sumac leaves.	.....	each,	\$0.32
" 2.	15	" " " " "	.....	" 0.40
" 3.	18	" " " " "	.....	" 0.55
" 4.	21 $\frac{1}{4}$	" " " " "	.....	" 0.75
" 5.	12	" " gold " "	.....	" 0.35
" 6.	15	" " " " "	.....	" 0.40
" 7.	18	" " " " "	.....	" 0.55
" 8.	21 $\frac{1}{4}$	" " " " "	.....	" 0.75



	PAGE.
<i>Adhesive Preparation</i>	82
<i>Adhesive Metallic Medium</i>	11
<i>Agate Burnishers</i>	53-58
<i>" Illuminators</i>	54-55-56
<i>" Tracers</i>	58
<i>Alloy for Gold</i>	29
<i>Architects' Basin</i>	92
<i>Articles for Decorating:</i>	
Aluminum Fans	171
Aluminum Panels	172
Black Polished Wood Panels	170
Ground Glass Panels	169
Japanned Metal Panels	170
Aluminum Plaques	171
Brass Plaques	171
Composition Plaques, Black	167
" " White	167
Frosted Glass Plaques	168
Plate Glass Screens	170
Japanned Sign Plates	170
<i>Art Publications</i>	164
<i>Atomizers</i>	107
<i>Banding Wheels</i>	40-41
<i>Blackboard Set</i>	125
<i>Bloodstone Burnishers</i>	57
<i>Boards, Academy</i>	67
" Drawing	121
" French Pastel	109
" French Tinted Bristol	113
" French White Bristol	113
" Monochromatic	109
" Nueva	66
" Reynolds' White Bristol	113
" Russells' Canvas	67
<i>Bolting Cloth</i>	81
<i>Bone Tools, for mounting Photographs</i>	82
<i>Books of Instruction, on China and Glass Painting</i>	36
" " on Oil and Water Color Painting and Drawing	164-165-166
<i>Bronze Powders</i>	6-7-8-9
<i>Bronzes, Genuine Gold, for China and Glass</i>	29
<i>Bronze Protector</i>	11
<i>Bronzing Liquid</i>	11

INDEX—Continued.

BRUSHES AND PENCILS.

PAGE.

a) For China Painting:

Pointed Shaders.....	135
Square ".....	135
Tracers.....	136
Outlining or Lettering.....	136
Long Tracers.....	137
Long Painting.....	137
Short Painting.....	138
Cut or Side Liners.....	138
Square Liners.....	139
For Painting Grounds Nos. 10 and 11.....	139
" " " " 12 and 13.....	140
Flat, for Oiling Grounds No. 14.....	140
Tinting Brushes No. 14c.....	141
Flat Lustre Brushes No. 14B.....	141
Stipplers or Dabbers.....	142
Miniature Red Sable for Outlining.....	143
Glass for Scouring Gold.....	58
For Putting on Paste for Relief Gold.....	143

b) For Oil Painting:

Red Sable.....	144
" " extra large.....	145
" " extra wide.....	145
" " Riggers.....	145
" " Bright's.....	146
" " " extra wide.....	146
" " Fan shaped.....	147
Russian Sable.....	147
" " Bright's.....	147
" " " extra wide.....	147
Bristle.....	148
" White Handles.....	149
" extra large.....	149
" Fan shaped.....	149
" Bright's.....	150
" Landseers.....	151
Badger Blenders.....	152

c) For Water Painting:

Red Sable, polished Wood Handles.....	153
" Miniature, in quills.....	153
" Swan Quills.....	154
Russian Sable, polished Wood Handles.....	155
Siberian Wash Brushes.....	155
Camel Hair Pencils.....	156
" Swan Quills.....	156
" polished Wood Handles.....	157
" Lacquering.....	157

INDEX—Continued.

BRUSHES AND PENCILS—Continued.

PAGE

d) Sundry Brushes:

Black Sable Lettering Pencils.....	158
“ “ Striping “	158
Oxhair, for Fresco Painting.....	159
Camelhair Stripers or Banders.....	159
French Camelhair Dusters.....	160
“ “ “ (Quills).....	161
Gilders Tips.....	161
Fitch Flowing.....	161
Chiseled Bristle Flowing.....	162
Flat Bristle Varnish.....	162
Camelhair Mottling.....	163
Camelhair Color Brushes.....	163

Brush Washers	72
----------------------------	----

Burnishers' Putty	29
--------------------------------	----

Cabinet Nests	91
----------------------------	----

Camp Chairs	75
--------------------------	----

Camp Stools	75
--------------------------	----

Canvas, A. S. & Co.'s, Artists'	64
--	----

“ W. & N., “	64
--------------------	----

“ A. S. & Co.'s Sketching.....	64
--------------------------------	----

“ mounted on Stretchers	65
-------------------------------	----

“ Pastel	109
----------------	-----

“ Tapestry.....	80
-----------------	----

Canvas Pliers	66
----------------------------	----

Celluloid	81
------------------------	----

Cement for Mending China	36
---------------------------------------	----

Chamois Palettes	107
-------------------------------	-----

Charcoal	105
-----------------------	-----

Color Boxes for China Colors, empty or complete.....	37
---	----

“ “ for Oil Colors, empty or complete	69-70-71-72
---	-------------

“ “ for Water Colors, empty or complete.....	93-94-95-96-97-98
--	-------------------

Color Cups, Porcelain	91
------------------------------------	----

Colored Pencils	117
------------------------------	-----

Convex Glasses	82
-----------------------------	----

COLORS.*a) For China and Glass Painting:*

Lacroix' Overglaze, in tubes.....	13-14-15
Royal Dresden, in tubes.....	16-17
A. S. & Co.'s Gouache, in powder (Mat Opaque. Mat Wax.)	22-23
Hancock's Overglaze, in powder.....	18
A. S. & Co.'s Special Overglaze, in powder.....	19
Underglaze.....	27
Gold Relief Enamel.....	25
Relief Enamel.....	25
Liquid Lustre	26
Vitrifiable Glass.....	20

INDEX - Continued.

	PAGE.
COLOURS —Continued	
<i>b) For Oil Painting:</i>	
Winsor & Newton's, in tubes.....	59-60-61
<i>c) For Water Color Painting:</i>	
Winsor & Newton's, in pans and half pans.....	83
" in cakes.....	84
" in tubes.....	85
" Water Color Liquids.....	88
A. S. & Co.'s Liquid Water.....	87
<i>d) Sundry Colors:</i>	
Lustrous Metallic Aquarelle.....	86
Liquid Tapestry.....	80
Silicine Glass.....	78
Crayon Box, Palette	109
Crayon Holders	106
" " Automatic.....	106
" " Indispensable.....	106
Crayon Pencils, Conté's Black	105
" " " White.....	105
" " " Lithographic.....	105
Crayons, Blackboard	99
" Colored, American.....	104
" Conté's.....	99
" French Pastel, half hard.....	103
" " " soft.....	102-103
" Lemerciers.....	99
" Pastel, hard.....	104
" Meng's Pastel.....	100-101
Crayon Sauces	99
Crystal Pearl Covering	33
Curves	128
Decoline	62
Diamond Dust	11
Dividers	130
Drawing Boards	121
Drawing Pens	130
Easels, Artists'	76
" " Sketching.....	77
" Wire.....	173-174-175-176-177-178
Eraser, Liquid Ceramic	35
Erasers for Canvas	66
Erasing Knives	48
" Pins.....	48
Erasers, Steel	48-49
Essence, for thinning Liquid Bright Gold	28
Fixatif	107
Flitters	10
Flock	11
Frosting	11

INDEX—Continued.

	PAGE.
<i>Gilders' Fat Oil</i>	12
<i>Gilders' Knives</i>	52
<i>Glass Brushes</i>	58
<i>Glass Composition</i>	32
<i>Glass Mullers</i>	39
<i>Glass Slabs</i>	39
<i>Gold</i> , Dusting for China.....	30
“ Mat, on Glass slabs.....	30
“ Hard, “.....	30
“ Liquid Bright.....	28
“ Prepared Burnish in powder.....	29
“ Unfluxed.....	29
“ Pure Greengold Dust.....	29
<i>Gold Alloy</i>	29
<i>Gold Cups and Shells</i>	90
<i>Gold Leaf</i>	12
<i>Gold Paint</i>	1-2-3-4-5
<i>Gold Sizes</i>	12
<i>Gold Tablets</i>	90
<i>India Ink</i>	89
<i>India Ink Slabs</i>	92
<i>Indelible Process Liquid</i>	81
<i>Ink</i> , Indian, W. & N.....	88
<i>Inks</i> for Designing on China.....	35
<i>Ink</i> , Bourgeois' Indian.....	87
“ Higgins' Drawing.....	87
<i>Ink Erasers</i>	119
<i>Ink and Pencil Erasers</i>	119
<i>Jewels</i>	33
<i>Kilns for Firing China</i>	42
<i>Leads for Tubular Pencils</i>	117
“ <i>Mathematical Instruments</i>	117
<i>Lead Pencils</i>	117
“ in Boxes.....	118
<i>Liquid for Lustre Painting</i>	11
“ <i>Matting Liquid Bright Gold</i>	28
“ <i>Mixing Bronze Powders</i>	11
<i>Mahlsticks</i>	74
<i>Manikins</i>	77
<i>Mathematical Instruments</i>	131-132-133-134
<i>Mediums and Oils</i> , for China and Glass Colors.....	34
<i>Mediums</i> , French.....	62
<i>Medium</i> , Hancock's, for China Colors.....	18
<i>Metallics</i>	10
<i>Metal Leaf</i>	12
<i>Mica</i>	11
<i>Mouth Glue</i>	120
<i>Newman's Preparation</i>	87
<i>Nigrivorine</i>	120

INDEX—Continued.

	PAGE
<i>Oils</i> , A. S. & Co.'s, for Oil Painting.....	62
“ W. & N. “.....	62
“ French “.....	63
<i>Oils and Mediums</i> , for China Painting.....	34
<i>Oil Cups</i> , Opal Glass.....	39
<i>Oxgall</i>	88
<i>Palettes</i> , Chamois.....	107
“ China.....	90
“ China, with recesses.....	38
“ Wood, folding.....	68
“ “ Oiled.....	68
“ “ Polished.....	68
<i>Palette Cups</i> , Tin.....	73
<i>Palette Knives</i> , Artists' Bone.....	47
“ “ Horn.....	47
“ “ Steel.....	43
“ “ “ Folding.....	45
“ “ “ Painting.....	50-51
“ “ “ German shape.....	46
“ “ “ Trowel shape.....	45
“ Painters' Steel, Rivetted.....	44
“ “ Rivetted, High Balance.....	44
“ “.....	43
<i>Panels</i> , Wood, Prepared for Oil Painting.....	68
<i>Pantographs</i>	129
<i>Paper</i> , Drawing, French White.....	110
“ “ German White.....	110
“ “ White in Rolls.....	111
“ “ “ mounted on Muslin.....	111
“ “ Tinted in Rolls.....	112
“ “ Whatman's.....	110
“ English Tinted Crayon.....	111
“ French Charcoal.....	111
“ French Gelatine.....	112
“ French Pastel.....	109
“ French Tinted Crayon.....	111
“ French Tracing.....	112
“ Harding's, for Water Colors.....	110
“ Oil Sketching.....	67
“ Steinbach's.....	111
“ Torchon for Water Colors.....	110
“ Transfer.....	112
<i>Paste for Relief Gold</i>	32
<i>Pastelline</i>	107
<i>Pearl</i> , Aurora.....	11
“ Snail.....	11
<i>Pearl Dust</i> , coarse and fine.....	11
<i>Pearls</i> , Colored Glass.....	33
<i>Pencils</i> for Marking on China.....	35

INDEX—Continued.

	PAGE.
<i>Pencil Sharpener</i>	120
<i>Pencil Sticks</i>	143
<i>Platinum</i> , Liquid Bright	28
“ Prepared Burnish in powder	29
<i>Plaque Hangers</i>	175
<i>Portfolios</i>	113
<i>Relief Paste for Liquid Bright Gold</i>	32
<i>Relief White</i> “ “	32
<i>Roberson's Medium</i>	62
<i>Royal Worcester Finish</i>	23
<i>Rubber</i> , Faber's Black	118
“ “ White	118
<i>Rubber</i> , Sponge	119
<i>Rubber Rollers</i>	82
<i>Sample Slabs and Plates</i> , showing fired Colors .	
Showing Roman Gold, Greengold and Redgold on Glass slabs	30
“ Burnish Golds and Bronzes	29
“ Gouache Colors	23
“ Hancock's Overglaze Colors in powder	18
“ Lacroix' Tube Colors	15
“ Royal Dresden Tube Colors	17
<i>Sandpaper Blocks</i>	107
<i>Schlagmetal</i>	12
<i>Silver</i> , Liquid Bright	28
“ Prepared Burnish in powder	29
“ in Cups and Shells	90
<i>Silver Leaf</i>	12
<i>Silver Tablets</i>	90
<i>Sketch Blocks</i> , English Tinted Paper	115
“ French Charcoal Paper	115
“ French Tinted Paper	114
“ French White Paper	114
“ Harding's Paper	115
“ Oilpaper	67
“ Torchon Paper	115
“ Whatman's Paper	114
<i>Sketch Books</i> , English Tinted Paper	116
“ French “	116
“ French White Paper	116
“ Whatman's Paper	116
<i>Slants</i> , Boxwell	92
“ Divided	92
<i>Spurs</i>	42
<i>Stilts</i>	42
<i>Stomps</i> , Cork	108
“ Gray Paper	108
“ Rubber	120
“ Tortillons	108
“ Variegated Paper	108

INDEX—Continued.

	PAGE.
<i>Stomps</i> , White Kid.....	133
“ Yellow Leather.....	108
<i>Straight Edges</i>	122
<i>Stretchers</i> , Pfleger's Patent.....	63
<i>Studies</i>	See Supplement
<i>Tablets for Water Color Painting</i>	110
<i>Taking Out Oil</i>	35
<i>Tar Paste</i>	35
<i>Thumb Tacks</i>	129
<i>Tin Bottles</i>	74
<i>Tinting Saucers</i>	91
<i>Tortillons</i>	108
<i>Tracing Cloth</i>	112
<i>Transparency Liquid</i>	82
<i>Triangles</i>	126-127
<i>T Squares</i>	123-124-125
<i>Tubes</i> , Empty Collapsible.....	61
<i>Umbrellas</i> , Sketching.....	75
<i>Varnishes</i> , A. Sartorius & Co.'s.....	63
“ French.....	62
“ Winsor & Newtons.....	62
<i>Vase and Cupholder</i>	39
<i>Water Glasses</i>	90

CLASSIFIED INDEX.

	PAGE.
Materials for Gilding and Decorating.....	1—12
Materials for China and Glass Painting.....	13—42
Artists' Cutlery and Sundry Tools.....	43—58
Materials for Oil Painting.....	59—77
Materials for Silicine Painting.....	78—79
Materials for Tapestry Painting.....	80
Materials for Chromo Photography.....	82
Materials for Water Color Painting.....	83—98
Materials for Crayon Drawing and Pastel Painting.....	99—109
Materials for Drawing.....	110—134
Brushes and Pencils for China Painting.....	135—143
Brushes for Oil Painting.....	144—152
Brushes and Pencils for Water Color Painting.....	153—157
Sundry Brushes.....	158—163
Art Publications.....	164—166
Articles for Decorating.....	167—172
Wire Easels.....	173—175
Alphabetical Index.....	179—186

NOTE.

Quotations of prices or discounts made previous to March 15th, 1894 are cancelled.

Quotations of prices or discounts in future are subject to variations without further notice.

MEMORANDUM.

MEMORANDUM.

MEMORANDUM.

2 White
 2 Flesh color
 1 Yellow
 1 Blue

Hirschberg & Co.
 New York

6, 25
 12/30

24/100
 46
 1/2

MEMORANDUM.

MEMORANDUM.





